



The *bidi Package*

Source documentation for version 35.11

*to my Master, **Ferdowsi The Great***

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please use the issue tracker:

<https://github.com/bidi-tex/bidi/issues>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

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The *bidi* Package

Bidirectional typesetting in plain T_EX and L^AT_EX,
using XeT_EX engine

Source documentation for version 35.11

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Contents

1	File <code>amsart-xetex-bidi.def</code>	4	16	File <code>bidi2in1.sty</code>	38
2	File <code>adjmulticol-xetex-bidi.def</code>	6	17	File <code>bidicode.sty</code>	39
3	File <code>algorithm2e-xetex-bidi.def</code>	7	18	File <code>bidiftnextra.sty</code>	42
4	File <code>amsbook-xetex-bidi.def</code>	7	19	File <code>bidimoderncv.cls</code>	45
5	File <code>amsmath-xetex-bidi.def</code>	9	20	File <code>bidi-perpage.sty</code>	50
6	File <code>amstext-xetex-bidi.def</code>	10	21	File <code>biditools.sty</code>	51
7	File <code>amsthm-xetex-bidi.def</code>	10	22	File <code>bidituftefloat.sty</code>	82
8	File <code>array-xetex-bidi.def</code>	10	23	File <code>bidituftesidenote.sty</code>	92
9	File <code>article-xetex-bidi.def</code>	11	24	File <code>bidituftetoc.sty</code>	101
10	File <code>artikel1-xetex-bidi.def</code>	15	25	File <code>bidituftegeneralstructure.sty</code>	104
11	File <code>artikel2-xetex-bidi.def</code>	19	26	File <code>bidituftehyperref.sty</code>	106
12	File <code>artikel3-xetex-bidi.def</code>	23	27	File <code>bidituftetitle.sty</code>	107
13	File <code>arydshln-xetex-bidi.def</code>	28	28	File <code>biditufte-handout.cls</code>	109
14	File <code>bidi.sty</code>	30	29	File <code>biditufte-book.cls</code>	110
15	File <code>bidi.tex</code>	36	30	File <code>bidipoem.sty</code>	111

*Maintained by bidi-tex <https://github.com/bidi-tex>

31 File boek3-xetex-bidi.def	117	59 File fix2col-xetex-bidi.def	196
32 File boek-xetex-bidi.def	120	60 File fleqn-xetex-bidi.def	197
33 File bookest-xetex-bidi.def	124	61 File float-xetex-bidi.def	198
34 File book-xetex-bidi.def	124	62 File floatrow-xetex-bidi.def	198
35 File breqn-xetex-bidi.def	128	63 File flowfram-xetex-bidi.def	198
36 File cals-xetex-bidi.def	129	64 File footnote-xetex-bidi.def	201
37 File caption-xetex-bidi.def	130	65 File framed-xetex-bidi.def	207
38 File caption3-xetex-bidi.def	130	66 File ftnright-xetex-bidi.def	210
39 File colortbl-xetex-bidi.def	130	67 File graphicx-xetex-bidi.def	214
40 File color-xetex-bidi.def	131	68 File geometry-xetex-bidi.def	216
41 File combine-xetex-bidi.def	132	69 File hvfloat-xetex-bidi.def	217
42 File crop-xetex-bidi.def	132	70 File hyperref-xetex-bidi.def	222
43 File cutwin-xetex-bidi.def	134	71 File imsproc-xetex-bidi.def	234
44 File cuted-xetex-bidi.def	134	72 File leqno-xetex-bidi.def	235
45 File cvthemebidicasual.sty	142	73 File letter-xetex-bidi.def	235
46 File cvthemebidiclassic.sty	144	74 File lettrine-xetex-bidi.def	236
47 File dblfnote-xetex-bidi.def	146	75 File lineno-xetex-bidi.def	238
48 File diagbox-xetex-bidi.def	148	76 File listings-xetex-bidi.def	239
49 File draftwatermark-xetex-bidi.def	151	77 File loadingorder-xetex-bidi.def	241
50 File eso-pic-xetex-bidi.def	151	78 File longtable-xetex-bidi.def	246
51 File empheq-xetex-bidi.def	151	79 File mathtools-xetex-bidi.def	249
52 File extarticle-xetex-bidi.def	154	80 File mdframed-xetex-bidi.def	249
53 File extbook-xetex-bidi.def	157	81 File bidi-media9.sty	250
54 File extletter-xetex-bidi.def	161	82 File memoir-xetex-bidi.def	260
55 File extrafootnotefeatures-xetex-bidi.def	183	83 File midfloat-xetex-bidi.def	263
56 File extreport-xetex-bidi.def	191	84 File minitoc-xetex-bidi.def	267
57 File fancybox-xetex-bidi.def	195	85 File multicol-xetex-bidi.def	268
58 File fancyhdr-xetex-bidi.def	195	86 File multienum-xetex-bidi.def	272



87 File natbib-xetex-bidi.def	273	108 File scrreprt-xetex-bidi.def	327
88 File newfloat-xetex-bidi.def	274	109 File sidecap-xetex-bidi.def	337
89 File ntheorem-xetex-bidi.def	275	110 File soul-xetex-bidi.def	337
90 File ntheorem-hyper-xetex-bidi.def	275	111 File stabular-xetex-bidi.def	338
91 File overpic-xetex-bidi.def	276	112 File subfigure-xetex-bidi.def	338
92 File pdfbase-xetex-bidi.def	276	113 File tabs-xetex-bidi.def	339
93 File pdfpages-xetex-bidi.def	277	114 File tabularx-xetex-bidi.def	339
94 File pgfcorescopes.code-xetex-bidi.def	278	115 File tabulary-xetex-bidi.def	341
95 File picinpar-xetex-bidi.def	279	116 File tc-xetex-bidi.def	341
96 File plain-xetex-bidi.def	281	117 File tcolorbox-xetex-bidi.def	342
97 File pstricks-xetex-bidi.def	283	118 File titlesec-xetex-bidi.def	342
98 File quotchap-xetex-bidi.def	284	119 File titletoc-xetex-bidi.def	343
99 File ragged2e-xetex-bidi.def	284	120 File tocbibind-xetex-bidi.def	343
100 File rapport1-xetex-bidi.def	286	121 File tocloft-xetex-bidi.def	345
101 File rapport3-xetex-bidi.def	290	122 File tocbasic-xetex-bidi.def	350
102 File refrep-xetex-bidi.def	295	123 File tocstyle-xetex-bidi.def	362
103 File report-xetex-bidi.def	299	124 File todonotes-xetex-bidi.def	366
104 File rotating-xetex-bidi.def	302	125 File wrapfig-xetex-bidi.def	369
105 File scrartcl-xetex-bidi.def	304	126 File xcolor-xetex-bidi.def	370
106 File scrbook-xetex-bidi.def	314	127 File latex-xetex-bidi.def	372
107 File scrlettr-xetex-bidi.def	325	128 File xltextra-xetex-bidi.def	389



1 File amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for XeTeX engine]
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17    \endgroup
18  \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\{\linespacing\@plus\linespacing\}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4\p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL\footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@RTL\footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \@makefnmark%
46     \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
47
48 \long\def\@RTLfootnotetext#1{%
49   \insert\footins{%
50     \@RTLtrue%
51     \reset@font%
52     \bidi@RTL\footnotetext@font% \normalfont\footnotesize
53     \interlinepenalty\interfootnotelinepenalty
54     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55     \floatingpenalty\@MM \hsize\columnwidth
```



```

56 \parboxrestore \parindent\normalparindent \sloppy
57 \protected@edef\@currentlabel{%
58 \csname p@footnote\endcsname\@thefnmark}%
59 \makefnintext{%
60 \rule\z@{footnotesep\ignorespaces#1\unskip\strut\par}}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65 \insert\footins{%
66 \RTLfalse%
67 \reset@font%
68 \bidi@LTRfootnotetext@font% \normalfont\footnotesize
69 \interlinepenalty\interfootnotelinepenalty
70 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71 \floatingpenalty\@MM \hsize\columnwidth
72 \parboxrestore \parindent\normalparindent \sloppy
73 \protected@edef\@currentlabel{%
74 \csname p@footnote\endcsname\@thefnmark}%
75 \makefnintext{%
76 \rule\z@{footnotesep\ignorespaces#1\unskip\strut\par}}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84 \bibtitlestyle
85 \normalfont\bibliofont\labelsep .5em\relax
86 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
88 \bidi@thebibliography@font@hook%
89 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90 \leftmargin\labelwidth \advance\leftmargin\labelsep
91 \usecounter{enumiv}}%
92 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93 \sfcode\.\= \m
94 }{%
95 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96 \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
99 \columnseprule\z@ \columnsep 35p@
100 \indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent\z@ \parskip\z@\@plus.3p@\relax
104 \if@RTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}
107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \topnum\z@ % this prevents figures from falling at the top of page 1
112 \setcopyright

```



```

113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\font\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@{\exp{\shortauthors}\@temptokena\exp{\shorttitle}}%
122 \toks4{\def\{\ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124   \nx\markboth{\the\toks4
125     \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol package for
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133   \def\@tempa{#2}%
134   \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135   \def\@tempa{#3}%
136   \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137   \ifnum\col@number<\@ne
138     \PackageWarning{adjmulticol}%
139       {Using ``\number\col@number'
140        columns doesn't seem a good idea.^^J
141        I therefore use one columns instead}%
142     \col@number\@ne\fi
143   \ifnum\col@number>10
144     \PackageError{adjmulticol}%
145       {Too many columns}%
146     {Current implementation doesn't
147      support more than 10 columns.%
148     \MessageBreak
149     I therefore use 10 columns instead}%
150     \col@number10 \fi
151   \ifx\@footnotetext\mult@footnotetext\else
152     \let\orig@footnotetext\@footnotetext
153     \let\@footnotetext\mult@footnotetext
154   \fi
155   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156     \let\orig@LTRfootnotetext\@LTRfootnotetext
157     \let\@LTRfootnotetext\mult@LTRfootnotetext
158   \fi
159   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160     \let\orig@RTLfootnotetext\@RTLfootnotetext
161     \let\@RTLfootnotetext\mult@RTLfootnotetext
162   \fi
163   \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]
164   \let\adjmc@page@sofar@orig=\page@sofar

```



3 File algorithm2e-xetex-bidi.def

```
165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2018/09/23 v0.2 bidi adaptations for algorithm2e package for
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi
170 \ifpackageloaded{color}{\fi}{%
171 \bidi@patchcmd{\algocf@start}{\bgroup}{%
172 \bgroup
173 \ifRTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\algocf@finish}{\egroup\end{lrbox}}{%
180 \ifRTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{%
189 \ifRTL
190 \hboxR
191 \else
192 \hboxL
193 \fi
194 }{}{}
195 }
```

4 File amsbook-xetex-bidi.def

```
196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for XeTeX engi
197 \def\@tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \@tempdima\csname r@tocindent\number#1\endcsname\relax
204 }{%
205 \@tempdima#4\relax
206 }%
207 \parindent\z@ \ifRTL\rightskip\else\leftskip\fi#3\relax \advance\ifRTL\rightskip\else\leftskip\fi
208 \ifRTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
```




```

217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
240 \reset@font%
241 \bidi@@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247 \csname p@footnote\endcsname\@thefnmark}%
248 \@makefntext{%
249 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
250
251 \long\def\@RTLfootnotetext#1{%
252 \insert\footins{%
253 \@RTLtrue%
254 \reset@font%
255 \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
256 \interlinepenalty\interfootnotelinepenalty
257 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258 \floatingpenalty\@MM \hsize\columnwidth
259 \@parboxrestore \parindent\normalparindent \sloppy
260 \protected@edef\@currentlabel{%
261 \csname p@footnote\endcsname\@thefnmark}%
262 \@makefntext{%
263 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267 \insert\footins{%
268 \@RTLfalse%
269 \reset@font%
270 \bidi@@LTRfootnotetext@font% \normalfont\footnotesize
271 \interlinepenalty\interfootnotelinepenalty
272 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273 \floatingpenalty\@MM \hsize\columnwidth

```



```

274 \parboxrestore \parindent\normalparindent \sloppy
275 \protected@edef\@currentlabel{%
276 \csname p@footnote\endcsname\@thefnmark}%
277 \makefnintext{%
278 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287 \bibtitlestyle
288 \normalfont\bibliofont\labelsep .5em\relax
289 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
290 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
291 \bidi@thebibliography@font@hook%
292 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode`\.=\@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\if@RTL\righskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\if@RTL\righskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par
314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2018/01/08 v1.1 bidi adaptations for amsmath package for XeTeX en
327 \let\veqno=\eqno

```



```

328 \iftagsleft@ \let\veqno=\leqno \fi
329 \renewcommand{\numberwithin}[3][\arabic]{%
330   \ifundefined{c@#2}{\@nocounterr{#2}}{%
331     \ifundefined{c@#3}{\@nocnterr{#3}}{%
332       \@addtoreset{#2}{#3}%
333       \@xp\xdef\csname the#2\endcsname{%
334         \@xp\xnx\csname the#3\endcsname \nx@SepMark\xnx1{#2}}}%
335 }
336 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kernz@ ignorespaces#1\unskip\@italiccorr)\if@nonl

```

```

337 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package for XeTeX en
338 \def\textdef@#1#2#3{\hbox{%
339     \everymath{#1}%
340     \let\f@size#2\selectfont
341     \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}

```

```

342 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeTeX engi
343 \def\@thmcountersep{\@SepMark}

```

[illegible]

```

375 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
376 \expandafter\let\csname endtabular*\endcsname=\endtabular
377 \def\@array[#1]#2{%
378   \@tempdima \ht \strutbox
379   \advance \@tempdima by\extrarowheight
380   \setbox \@arstrutbox \hbox{\vrule
381     \height \arraystretch \@tempdima
382     \depth \arraystretch \dp \strutbox
383     \width \z@}%
384   \begingroup
385   \mkpream{#2}%
386   \xdef\@preamble{\noexpand \ialign \@halignto
387     \bgroup \@arstrut \@preamble
388     \tabskip \z@ \cr}%
389   \endgroup
390   \arrayleft
391   \if #1t\top \else \if#1b\box \else \vcenter \fi \fi
392   \bgroup
393   \let \@sharp ##\let \protect \relax
394   \lineskip \z@
395   \baselineskip \z@
396   \m@th
397   \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtr
398 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
399 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble{}}
400 \def\array{\col@sep\arraycolsep
401   \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}
402 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

403 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article class for X
404 \if@titlepage
405   \renewcommand\maketitle{\begin{titlepage}%
406     \let\footnotesize\small
407     \let\right@footnoterule\relax
408     \let\left@footnoterule\relax
409     \let\textwidth\footnoterule\relax
410     \let \footnote \thanks
411     \let \LTRfootnote \LTRthanks
412     \let \RTLfootnote \RTLthanks
413     \null\vfil
414     \vskip 60\p@
415     \begin{center}%
416       {\LARGE \@title \par}%
417       \vskip 3em%
418       {\large
419         \lineskip .75em%
420         \begin{tabular}[t]{c}%
421           \@author
422         \end{tabular}\par}%
423       \vskip 1.5em%
424       {\large \@date \par}%           % Set date in \large size.
425     \end{center}\par
426     \@thanks
427     \vfil\null
428   \end{titlepage}%

```



```

429 \setcounter{footnote}{0}%
430 \global\let\thanks\relax
431 \global\let\LTRthanks\relax
432 \global\let\RTLthanks\relax
433 \global\let\maketitle\relax
434 \global\let\@thanks\@empty
435 \global\let\@author\@empty
436 \global\let\@date\@empty
437 \global\let\@title\@empty
438 \global\let\title\relax
439 \global\let\author\relax
440 \global\let\date\relax
441 \global\let\and\relax
442 }
443 \else
444 \renewcommand\maketitle{\par
445 \begingroup
446 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
447 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
448 \long\def\@makefntext##1{\parindent 1em\noindent
449 \hb@xt@1.8em{%
450 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
451 \if@twocolumn
452 \ifnum \col@number=\@ne
453 \@maketitle
454 \else
455 \twocolumn[\@maketitle]%
456 \fi
457 \else
458 \newpage
459 \global\@topnum\z@ % Prevents figures from going at top of page.
460 \@maketitle
461 \fi
462 \thispagestyle{plain}\@thanks
463 \endgroup
464 \setcounter{footnote}{0}%
465 \global\let\thanks\relax
466 \global\let\LTRthanks\relax
467 \global\let\RTLthanks\relax
468 \global\let\maketitle\relax
469 \global\let\@maketitle\relax
470 \global\let\@thanks\@empty
471 \global\let\@author\@empty
472 \global\let\@date\@empty
473 \global\let\@title\@empty
474 \global\let\title\relax
475 \global\let\author\relax
476 \global\let\date\relax
477 \global\let\and\relax
478 }
479 \def\@maketitle{%
480 \newpage
481 \null
482 \vskip 2em%
483 \begin{center}%
484 \let \footnote \thanks
485 \let \LTRfootnote \LTRthanks

```



```

486 \let \RTLfootnote \RTLthanks
487 {\LARGE \@title \par}%
488 \vskip 1.5em%
489 {\large
490 \lineskip .5em%
491 \begin{tabular}[t]{c}%
492 \@author
493 \end{tabular}\par}%
494 \vskip 1em%
495 {\large \@date}%
496 \end{center}%
497 \par
498 \vskip 1.5em}
499 \fi
500 \renewcommand*\l@part[2]{%
501 \ifnum \c@tocdepth >-2\relax
502 \addpenalty\@secpenalty
503 \addvspace{2.25em \@plus\p0}%
504 \setlength\@tempdima{3em}%
505 \begingroup
506 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
507 \parfillskip -\@pnumwidth
508 {\leavevmode
509 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
510 \nobreak
511 \if@compatibility
512 \global\@nobreaktrue
513 \everypar{\global\@nobreakfalse\everypar{}}%
514 \fi
515 \endgroup
516 \fi}
517 \renewcommand*\l@section[2]{%
518 \ifnum \c@tocdepth >\z@
519 \addpenalty\@secpenalty
520 \addvspace{1.0em \@plus\p0}%
521 \setlength\@tempdima{1.5em}%
522 \begingroup
523 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
524 \parfillskip -\@pnumwidth
525 \leavevmode \bfseries
526 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
527 \hskip -\if@RTL\rightskip\else\leftskip\fi
528 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
529 \endgroup
530 \fi}
531 \renewcommand\left@footnoterule{%
532 \kern-3\p@
533 \hrule\@width.4\columnwidth
534 \kern2.6\p@}
535 \renewcommand\right@footnoterule{%
536 \kern-3\p@
537 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
538 \kern2.6\p@}
539 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
540 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
541 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
542 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

543 \def\@part[#1]#2{%
544     \ifnum \c@secnumdepth >\m@ne
545         \refstepcounter{part}%
546         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
547     \else
548         \addcontentsline{toc}{part}{#1}%
549     \fi
550 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
551 \interlinepenalty \@M
552 \normalfont
553 \ifnum \c@secnumdepth >\m@ne
554     \Large\bfseries \partname\nobreakspace\thepart
555     \par\nobreak
556 \fi
557 \huge \bfseries #2%
558 \markboth{}{}\par}%
559 \nobreak
560 \vskip 3ex
561 \@afterheading}
562 \renewenvironment{thebibliography}[1]
563     {\section*{\refname}%
564     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
565     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
566     \bidi@thebibliography@font@hook%
567     \list{\@biblabel{\@arabic\c@enumiv}}%
568         {\settowidth\labelwidth{\@biblabel{#1}}%
569         \leftmargin\labelwidth
570         \advance\leftmargin\labelsep
571         \openbib@code
572         \usecounter{enumiv}%
573         \let\p@enumiv\@empty
574         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
575     \sloppy
576     \clubpenalty4000
577     \@clubpenalty \clubpenalty
578     \widowpenalty4000%
579     \sfcode`..\@m}
580 {\def\@noitemerr
581 {\@latex@warning{Empty `thebibliography' environment}}%
582 \endlist}
583 \renewenvironment{theindex}
584     {\if@twocolumn
585     \@restonecolfalse
586     \else
587     \@restonecoltrue
588     \fi
589     \columnseprule \z@
590     \columnsep 35\p@
591     \twocolumn[\section*{\indexname}]%
592     \mkboth{\MakeUppercase\indexname}%
593     {\MakeUppercase\indexname}%
594     \thispagestyle{plain}\parindent\z@
595     \parskip\z@ \@plus .3\p@\relax
596     \let\item\@idxitem}
597 {\if@restonecol\onecolumn\else\clearpage\fi}

```



10 File artikel1-xetex-bidi.def

```
598 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class for XeTeX en
599 \renewenvironment{theindex}{%
600   \if@twocolumn
601     \@restonecolfalse
602   \else
603     \@restonecoltrue
604   \fi
605   \columnseprule \z@
606   \columnsep 35\p@
607   \twocolumn[\section*{\indexname}]{%
608     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
609     \thispagestyle{plain}\parindent\z@
610     \parskip\z@ \@plus .3\p@\relax
611     \let\item\@idxitem
612   }{%
613     \if@restonecol\onecolumn\else\clearpage\fi}
614 \renewcommand*{\head@style}{%
615   \interlinepenalty \@M
616   \hyphenpenalty=\@M \exhyphenpenalty=\@M
617   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
618 \if@titlepage
619   \renewenvironment{abstract}{%
620     \titlepage
621     \null\vfil
622     \section*{\SectFont\abstractname}
623     \noindent\ignorespaces}
624   {\par\vfil\null\endtitlepage}
625 \else
626   \renewenvironment{abstract}{%
627     \if@twocolumn
628       \section*{\abstractname}%
629     \else
630       \bgroup\ifRTL\leftskip\else\rightskip\fi=\unitindent
631       \section*{\small\SectFont\abstractname}%
632       \noindent\ignorespaces
633     \fi}
634   {\if@twocolumn\else\par\egroup\fi}
635 \fi
636 \renewcommand*{\@regtocline}[3]{%
637   \ifnum #1>\c@tocdepth
638   \else
639     \vskip\z@\@plus.2\p@
640     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
641     \ifRTL\rightskip\else\leftskip\fi\unitindent
642     \ifRTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
643     \parfillskip\z@
644     \@tempdima\unitindent
645     \parindent\z@
646     \leavevmode
647     \hbox{} \hskip -\ifRTL\rightskip\else\leftskip\fi\relax#2\nobreak
648     \hskip 1em \nobreak{\slshape #3}\par
649   }%
650 \fi}
651 \if@oldtoc
652 \renewcommand*{\l@part}[2]{%
```




```

653 \ifnum \c@tocdepth >-2\relax
654 \addpenalty\@secpenalty
655 \addvspace{2.25em \@plus\p@}%
656 \begingroup
657 \setlength\@tempdima{3em}%
658 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
659 \parfillskip -\@pnumwidth
660 {\leavevmode
661 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
662 \nobreak
663 \if@compatibility
664 \global\@nobreaktrue
665 \everypar{\global\@nobreakfalse\everypar{}}%
666 \fi
667 \endgroup
668 \fi}
669 \else
670 \renewcommand*\l@part{%
671 \ifnum \c@tocdepth >-2\relax
672 \addpenalty\@secpenalty
673 \addvspace{2.25em \@plus\p@}%
674 \@regtocline{0}%
675 \fi}
676 \fi
677 \if@oldtoc
678 \renewcommand*\l@section[2]{%
679 \addpenalty\@secpenalty
680 \addvspace{1.0em \@plus\p@}%
681 \setlength\@tempdima{1.5em}%
682 \begingroup
683 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
684 \parfillskip -\@pnumwidth
685 \leavevmode \bfseries
686 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
687 \hskip -\if@RTL\rightskip\else\leftskip\fi
688 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
689 \endgroup}
690 \else
691 \renewcommand*\l@section{\@regtocline{1}}
692 \fi
693 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
694 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
695 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
696 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
697 \renewenvironment{thebibliography}[1]
698 {\section*\refname}%
699 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
700 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
701 \bidi@thebibliography@font@hook%
702 \list{\@biblabel{\@arabic\c@enumiv}}%
703 {\settowidth\labelwidth{\@biblabel{#1}}%
704 \leftmargin\labelwidth
705 \advance\leftmargin\labelsep
706 \@openbib@code
707 \usecounter{enumiv}%
708 \let\p@enumiv\empty
709 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%

```



```

710     \sloppy\clubpenalty4000\widowpenalty4000%
711     \sfcode`.\@m}
712     {\def\@noitemerr
713       {\@latex@warning{Empty `thebibliography' environment}}}%
714     \endlist}
715 \renewcommand*\left@footnoterule{%
716   \kern-3\p@
717   \kern.5\baselineskip
718   \hrule\@width\unitindent
719   \kern.4\baselineskip
720 }
721 \renewcommand*\right@footnoterule{%
722   \kern-3\p@
723   \kern.5\baselineskip
724   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
725   \kern.4\baselineskip}
726 \if@titlepage
727 \renewcommand*\TitleFont{\rmfamily}
728 \renewcommand*\maketitle{%
729   \begin{titlepage}%
730     \let\footnotesize\small
731     \let\right@footnoterule\relax
732     \let\left@footnoterule\relax
733     \let\textwidth\footnoterule\relax
734     \let \footnote \thanks
735     \long\def\@makefntext##1{\parindent\z@
736       \def\labelitemi{\textendash}\@revlabeltrue
737       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
738     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
739     \if@compatibility\setcounter{page}{0}\fi
740     \null\vfil
741     \vskip 60\p@
742     \begin{center}%
743       \TitleFont
744       {\LARGE \def\\{\penalty -\@M}
745         \if@allcaps
746           \expandafter\uc@nothanks\@title\thanks\relax
747         \else
748           \@title
749         \fi\par}%
750     \vskip 3em%
751     {\large
752       \lineskip .75em \parindent\z@
753       \begin{tabular}[t]{c}%
754         \if@allcaps
755           \expandafter\uc@authornothanks\@author\and\relax
756         \else
757           \@author
758         \fi
759       \end{tabular}\par}%
760     \vskip 1.5em%
761     {\large
762       \if@allcaps
763         \uppercase\expandafter{\@date}%
764       \else
765         \@date
766       \fi\par}%

```



```

767     \end{center}\par
768     \@thanks
769     \vfil\null
770 \end{titlepage}%
771 \setcounter{footnote}{0}%
772 \global\let\thanks\relax
773 \global\let\maketitle\relax
774 \global\let\@thanks\@empty
775 \global\let\@author\@empty
776 \global\let\@title\@empty
777 \global\let\@date\@empty
778 \global\let\title\relax
779 \global\let\author\relax
780 \global\let\date\relax
781 \global\let\and\relax
782 }
783 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
784 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
785     \futurelet\@tempa\uc@ax}
786 \def\uc@ax{%
787     \ifx\@tempa\relax
788     \else
789     \\\andname \\\expandafter\uc@authornothanks
790     \fi}
791 \def\uc@tx{\ifx\@tempa\relax
792     \else \expandafter\uc@ty \fi}
793 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
794 \else
795 \renewcommand*\maketitle{\par
796     \begingroup
797     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
798     \def\@makefnmark{\rlap{%
799         \@textsuperscript{\normalfont\@thefnmark}}}%
800     \long\def\@makefntext{\@xmakefntext{%
801         \@textsuperscript{\normalfont\@thefnmark}}}%
802     \if@twocolumn
803         \ifnum \col@number=\@one
804             \maketitle
805         \else
806             \twocolumn[\maketitle]%
807         \fi
808     \else
809         \newpage
810         \global\@topnum\z@
811         \maketitle
812     \fi
813     \thispagestyle{plain}\@thanks
814 \endgroup
815 \setcounter{footnote}{0}%
816 \global\let\thanks\relax
817 \global\let\maketitle\relax
818 \global\let\@maketitle\relax
819 \global\let\@thanks\@empty
820 \global\let\@author\@empty
821 \global\let\@title\@empty
822 \global\let\@date\@empty
823 \global\let\title\relax

```



```

824 \global\let\author\relax
825 \global\let\date\relax
826 \global\let\and\relax
827 }
828 \def\@maketitle{%
829 \newpage
830 \null
831 \vskip 2em%
832 \begin{center}%
833 \let \footnote \thanks
834 {\LARGE \TitleFont \@title \par}%
835 \vskip 1.5em%
836 {\large \TitleFont
837 \lineskip .5em%
838 \begin{tabular}[t]{c}%
839 \author
840 \end{tabular}\par}%
841 \vskip 1em%
842 {\large \TitleFont \@date}%
843 \end{center}%
844 \par
845 \vskip 1.5em}
846 \fi

```

11 File artikel2-xetex-bidi.def

```

847 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class for XeTeX en
848 \renewenvironment{theindex}{%
849 \if@twocolumn
850 \@restonecolfalse
851 \else
852 \@restonecoltrue
853 \fi
854 \columnseprule \z@
855 \columnsep 35\p@
856 \twocolumn[\section*{\indexname}]{%
857 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
858 \thispagestyle{plain}\parindent\z@
859 \parskip\z@ \@plus .3\p@\relax
860 \let\item\@idxitem
861 }{%
862 \if@restonecol\onecolumn\else\clearpage\fi}
863 \renewcommand*\@regtocline[3]{%
864 \ifnum #1>\c@tocdepth
865 \else
866 \vskip\z@\@plus.2\p@
867 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
868 \if@RTL\righskip\else\leftskip\fi\unitindent
869 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
870 \parfillskip\z@
871 \@tempdima\unitindent
872 \advance\@tempdima by \othermargin
873 \parindent\z@
874 \leavevmode
875 \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
876 \hskip 1em \nobreak{\slshape #3}\par
877 }%

```



```

878 \fi}
879 \if@oldtoc
880 \renewcommand*\l@section[2]{%
881   \addpenalty\@secpenalty
882   \addvspace{1.0em \@plus\p@}%
883   \setlength\@tempdima{1.5em}%
884   \begingroup
885   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
886   \parfillskip -\@pnumwidth
887   \leavevmode \bfseries
888   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
889   \hskip -\if@RTL\rightskip\else\leftskip\fi
890   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
891   \endgroup}
892 \else
893   \renewcommand*\l@section{\@regtocline{1}}
894 \fi
895 \if@oldtoc
896 \renewcommand*\l@part[2]{%
897   \ifnum \c@tocdepth >-2\relax
898     \addpenalty\@secpenalty
899     \addvspace{2.25em \@plus\p@}%
900     \begingroup
901       \setlength\@tempdima{3em}%
902       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
903       \parfillskip -\@pnumwidth
904       {\leavevmode
905         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
906       \nobreak
907       \if@compatibility
908         \global\@nobreaktrue
909         \everypar{\global\@nobreakfalse\everypar{}}%
910       \fi
911     \endgroup
912 \fi}
913 \else
914   \renewcommand*\l@part{%
915     \ifnum \c@tocdepth >-2\relax
916       \addpenalty\@secpenalty
917       \addvspace{2.25em \@plus\p@}%
918       \@regtocline{0}%
919     \fi}
920 \fi
921 \renewcommand*\head@style{%
922   \interlinepenalty \@M
923   \hyphenpenalty=\@M \exhyphenpenalty=\@M
924   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
925 \if@titlepage
926   \renewenvironment{abstract}{%
927     \titlepage
928     \null\vfil
929     \section*{\SectFont\abstractname}%
930     \noindent\ignorespaces}
931   {\par\vfil\null\endtitlepage}
932 \else
933   \renewenvironment{abstract}{%
934     \if@twocolumn

```



```

935     \section*{\abstractname}%
936   \else
937     \section*{\hspace\unitindent\small\SectFont\abstractname}%
938     \list*{\setlength\listparindent{\unitindent}%
939           \setlength\parindent    {\z@}%
940           \setlength\leftmargin   {\unitindent}%
941           \setlength\rightmargin  {\unitindent}%
942           \setlength\parsep      {\z@}}%
943     \item[]%
944   \fi}
945   {\if@twocolumn\else\par\endlist\fi}
946 \fi
947 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
948 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
949 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
950 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
951 \renewcommand*\left@footnoterule{%
952   \kern-3\p@
953   \hrule\@width 3\unitindent
954   \kern 2.6\p@
955 }
956 \renewcommand*\right@footnoterule{%
957   \kern-3\p@
958   \hbox to \columnwidth{\hspace \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
959   \kern 2.6\p@}
960 \renewenvironment{thebibliography}[1]
961   {\section*{\refname}%
962     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
963     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
964     \bidi@thebibliography@font@hook%
965     \list{\@biblabel{\@arabic\c@enumiv}}%
966       {\settowidth\labelwidth{\@biblabel{#1}}%
967         \leftmargin\labelwidth
968         \advance\leftmargin\labelsep
969         \@openbib@code
970         \usecounter{enumiv}%
971         \let\p@enumiv\@empty
972         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
973     \sloppy\clubpenalty4000\widowpenalty4000%
974     \sfcode`.\@m}
975   {\def\@noitemerr
976     {\@latex@warning{Empty `thebibliography' environment}}%
977     \endlist}
978 \if@titlepage
979 \renewcommand*\TitleFont{\rmfamily}
980 \renewcommand*\maketitle{%
981   \begin{titlepage}%
982     \let\footnotesize\small
983     \let\right@footnoterule\relax
984     \let\left@footnoterule\relax
985     \let\textwidth@footnoterule\relax
986     \let \footnote \thanks
987     \long\def\@makefnmark##1{\parindent\z@
988       \def\labelitemi{\textendash}\@revlabeltrue
989       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
990     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
991     \if@compatibility\setcounter{page}{0}\fi

```



```

992 \null\vfil
993 \vskip 60\p@
994 \begin{center}%
995 \TitleFont
996 {\LARGE \def\\{\penalty -\@M}
997 \if@allcaps
998 \expandafter\uc@nothanks\@title\thanks\relax
999 \else
1000 \@title
1001 \fi\par}%
1002 \vskip 3em%
1003 {\large
1004 \lineskip .75em \parindent\z@
1005 \begin{tabular}[t]{c}%
1006 \if@allcaps
1007 \expandafter\uc@authornothanks\@author\and\relax
1008 \else
1009 \@author
1010 \fi
1011 \end{tabular}\par}%
1012 \vskip 1.5em%
1013 {\large
1014 \if@allcaps
1015 \uppercase\expandafter{\@date}%
1016 \else
1017 \@date
1018 \fi\par}%
1019 \end{center}\par
1020 \@thanks
1021 \vfil\null
1022 \end{titlepage}%
1023 \setcounter{footnote}{0}%
1024 \global\let\thanks\relax
1025 \global\let\maketitle\relax
1026 \global\let\@thanks\@empty
1027 \global\let\@author\@empty
1028 \global\let\@title\@empty
1029 \global\let\@date\@empty
1030 \global\let\title\relax
1031 \global\let\author\relax
1032 \global\let\date\relax
1033 \global\let\and\relax
1034 }
1035 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1036 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1037 \futurelet\@tempa\uc@ax}
1038 \def\uc@ax{%
1039 \ifx\@tempa\relax
1040 \else
1041 \\\ \andname \\\ \expandafter\uc@authornothanks
1042 \fi}
1043 \def\uc@tx{\ifx\@tempa\relax
1044 \else \expandafter\uc@ty \fi}
1045 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1046 \else
1047 \renewcommand*\maketitle{\par
1048 \begingroup

```



```

1049 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1050 \long\def\@makefntext##1{\parindent\z@
1051 \def\labelitemi{\textendash}%
1052 \leavevmode\hb@xt@0.5\unitindent{%
1053 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1054 \if@twocolumn
1055 \ifnum \col@number=\@ne
1056 \maketitle
1057 \else
1058 \twocolumn[\maketitle]%
1059 \fi
1060 \else
1061 \newpage
1062 \global\@topnum\z@
1063 \maketitle
1064 \fi
1065 \thispagestyle{plain}\@thanks
1066 \endgroup
1067 \setcounter{footnote}{0}%
1068 \global\let\thanks\relax
1069 \global\let\maketitle\relax
1070 \global\let\@maketitle\relax
1071 \global\let\@thanks\@empty
1072 \global\let\@author\@empty
1073 \global\let\@title\@empty
1074 \global\let\@date\@empty
1075 \global\let\title\relax
1076 \global\let\author\relax
1077 \global\let\date\relax
1078 \global\let\and\relax
1079 }
1080 \def\@maketitle{%
1081 \newpage
1082 \null
1083 \vskip 2em%
1084 \begin{center}%
1085 \let \footnote \thanks
1086 {\LARGE \TitleFont \@title \par}%
1087 \vskip 1.5em%
1088 {\large \TitleFont
1089 \lineskip .5em%
1090 \begin{tabular}[t]{c}%
1091 \@author
1092 \end{tabular}\par}%
1093 \vskip 1em%
1094 {\large \TitleFont \@date}%
1095 \end{center}%
1096 \par
1097 \vskip 1.5em}
1098 \fi

```

12 File artikel3-xetex-bidi.def

```

1099 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for XeTeX en
1100 \renewenvironment{theindex}{%
1101 \if@twocolumn
1102 \@restonecolfalse

```




```

1103 \else
1104 \@restonecoltrue
1105 \fi
1106 \columnseprule \z@
1107 \columnsep 35\p@
1108 \twocolumn[\section*{\indexname}]%
1109 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1110 \thispagestyle{plain}\parindent\z@
1111 \parskip\z@ \@plus .3\p@\relax
1112 \let\item\@idxitem
1113 }{%
1114 \if@restonecol\onecolumn\else\clearpage\fi}
1115 \renewcommand*{\head@style}{%
1116 \interlinepenalty \@M
1117 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1118 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1119 \renewcommand*{\@regtocline}[3]{%
1120 \ifnum #1>\c@tocdepth
1121 \else
1122 \vskip\z@ \@plus.2\p@
1123 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1124 \if@RTL\rightskip\else\leftskip\fi\unitindent
1125 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1126 \parfillskip\z@
1127 \@tempdima\unitindent
1128 \parindent\z@
1129 \leavevmode
1130 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1131 \hskip 1em \nobreak{\slshape #3}\par
1132 }%
1133 \fi}
1134 \if@oldtoc
1135 \renewcommand*{\l@part}[2]{%
1136 \ifnum \c@tocdepth >-2\relax
1137 \addpenalty\@secpenalty
1138 \addvspace{2.25em \@plus\p@}%
1139 \begingroup
1140 \setlength\@tempdima{3em}%
1141 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1142 \parfillskip -\@pnumwidth
1143 {\leavevmode
1144 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1145 \nobreak
1146 \if@compatibility
1147 \global\@nobreaktrue
1148 \everypar{\global\@nobreakfalse\everypar{}}%
1149 \fi
1150 \endgroup
1151 \fi}
1152 \else
1153 \renewcommand*{\l@part}{%
1154 \ifnum \c@tocdepth >-2\relax
1155 \addpenalty\@secpenalty
1156 \addvspace{2.25em \@plus \p@}%
1157 \@regtocline{0}%
1158 \fi}
1159 \fi

```



```

1160
1161 \if@oldtoc
1162 \renewcommand*\l@section[2]{%
1163     \addpenalty\@secpenalty
1164     \addvspace{1.0em \@plus\p@}%
1165     \setlength\@tempdima{1.5em}%
1166     \begingroup
1167     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1168     \parfillskip -\@pnumwidth
1169     \leavevmode \bfseries
1170     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1171     \hskip -\if@RTL\rightskip\else\leftskip\fi
1172     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1173     \endgroup}
1174 \else
1175     \renewcommand*\l@section{\@regtocline{1}}
1176 \fi
1177 \if@titlepage
1178     \renewenvironment{abstract}{%
1179         \titlepage
1180         \null\vfil
1181         \section*\SectFont\abstractname}%
1182         \noindent\ignorespaces}
1183         {\par\vfil\null\endtitlepage}
1184 \else
1185     \renewenvironment{abstract}{%
1186         \if@twocolumn
1187             \section*\abstractname}%
1188             \else
1189                 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1190                 \section*\small\SectFont\abstractname}%
1191                 \noindent\ignorespaces
1192                 \fi}
1193                 {\if@twocolumn\else\par\egroup\fi}
1194 \fi
1195 \renewcommand*\left@footnoterule{%
1196     \kern-3\p@
1197     \kern.5\baselineskip
1198     \hrule\@width\unitindent
1199     \kern.4\baselineskip
1200 }
1201 \renewcommand*\right@footnoterule{%
1202     \kern-3\p@
1203     \kern.5\baselineskip
1204     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1205     \kern.4\baselineskip}
1206 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1207 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1208 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1209 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1210 \renewenvironment{thebibliography}[1]
1211     {\section*\refname}%
1212     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1213     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1214     \bidi@thebibliography@font@hook%
1215     \list{\@biblabel{\@arabic\c@enumiv}}%
1216     {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

1217         \leftmargin\labelwidth
1218         \advance\leftmargin\labelsep
1219         \openbib@code
1220         \usecounter{enumiv}%
1221         \let\p@enumiv\@empty
1222         \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}%
1223     \sloppy\clubpenalty4000\widowpenalty4000%
1224     \sfcode`\.\@m}
1225     {\def\@noitemerr
1226     {\@latex@warning{Empty `thebibliography' environment}}}%
1227     \endlist}
1228 \if@titlepage
1229 \renewcommand*{\TitleFont{\rmfamily}
1230 \renewcommand*{\maketitle{%
1231 \begin{titlepage}%
1232     \let\footnotesize\small
1233     \let\right@footnoterule\relax
1234     \let\left@footnoterule\relax
1235     \let\textwidth\footnoterule\relax
1236     \let \footnote \thanks
1237     \long\def\@makefntext##1{\parindent\z@
1238         \def\labelitemi{\textendash}\@revlabeltrue
1239         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1240     \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
1241     \if@compatibility\setcounter{page}{0}\fi
1242     \null\vfil
1243     \vskip 60\p@
1244     \begin{center}%
1245         \TitleFont
1246         {\LARGE \def\\{\penalty -\@M}
1247         \if@allcaps
1248             \expandafter\uc@nothanks\@title\thanks\relax
1249         \else
1250             \@title
1251         \fi\par}%
1252     \vskip 3em%
1253     {\large
1254     \lineskip .75em \parindent\z@
1255     \begin{tabular}[t]{c}%
1256         \if@allcaps
1257             \expandafter\uc@authornothanks\@author\and\relax
1258         \else
1259             \@author
1260         \fi
1261     \end{tabular}\par}%
1262     \vskip 1.5em%
1263     {\large
1264     \if@allcaps
1265         \uppercase\expandafter{\@date}%
1266     \else
1267         \@date
1268     \fi\par}%
1269     \end{center}\par
1270     \@thanks
1271     \vfil\null
1272 \end{titlepage}%
1273 \setcounter{footnote}{0}%

```



```

1274 \global\let\thanks\relax
1275 \global\let\maketitle\relax
1276 \global\let\@thanks\@empty
1277 \global\let\@author\@empty
1278 \global\let\@title\@empty
1279 \global\let\@date\@empty
1280 \global\let\title\relax
1281 \global\let\author\relax
1282 \global\let\date\relax
1283 \global\let\and\relax
1284 }
1285 \def\@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\@uc@tx}
1286 \def\@authornothanks#1\and{\@nothanks#1\thanks\relax
1287 \futurelet\@tempa\@uc@ax}
1288 \def\@uc@ax{%
1289 \ifx\@tempa\relax
1290 \else
1291 \\\andname \\\expandafter\@authornothanks
1292 \fi}
1293 \def\@uc@tx{\ifx\@tempa\relax
1294 \else \expandafter\@uc@ty \fi}
1295 \def\@uc@ty#1{\thanks{#1}\@nothanks}
1296 \else
1297 \renewcommand*\maketitle{\par
1298 \begingroup
1299 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1300 \def\@makefnmark{\rlap{%
1301 \@textsuperscript{\normalfont\@thefnmark}}}%
1302 \long\def\@makefntext{\@xmakefntext{%
1303 \@textsuperscript{\normalfont\@thefnmark}}}%
1304 \if@twocolumn
1305 \ifnum \col@number=\@one
1306 \maketitle
1307 \else
1308 \twocolumn[\maketitle]%
1309 \fi
1310 \else
1311 \newpage
1312 \global\@topnum\z@
1313 \maketitle
1314 \fi
1315 \thispagestyle{plain}\@thanks
1316 \endgroup
1317 \setcounter{footnote}{0}%
1318 \global\let\thanks\relax
1319 \global\let\maketitle\relax
1320 \global\let\@maketitle\relax
1321 \global\let\@thanks\@empty
1322 \global\let\@author\@empty
1323 \global\let\@title\@empty
1324 \global\let\@date\@empty
1325 \global\let\title\relax
1326 \global\let\author\relax
1327 \global\let\date\relax
1328 \global\let\and\relax
1329 }
1330 \def\@maketitle{%

```



```

1331 \newpage
1332 \null
1333 \vskip 2em%
1334 \if@titlecentered
1335 \begin{center}%
1336 \let \footnote \thanks
1337 {\LARGE \TitleFont \@title \par}%
1338 \vskip 1.5em%
1339 {\large \TitleFont
1340 \lineskip .5em%
1341 \begin{tabular}[t]{c}%
1342 \author
1343 \end{tabular}\par}%
1344 \vskip 1em%
1345 {\large \TitleFont \@date}%
1346 \end{center}%
1347 \else
1348 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1349 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1350 \def\and{%% \begin{tabular} has already started
1351 \end{tabular}\hskip 1em plus .17fil
1352 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular} will c
1353 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\author\end{tabular}\par}
1354 \vskip 1em {\large \TitleFont \@date}
1355 \fi
1356 \par
1357 \vskip 1.5em}
1358 \fi

```

13 File arydshln-xetex-bidi.def

```

1359 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for XeTeX]
1360 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \ifRTL\endR\egroup\fi\egroup}
1361 \def\endtabular{\endarray $\ifRTL\endR\fi\egroup}
1362 \expandafter\let\csname endtabular*\endcsname\endtabular
1363 \let\adl@array\@array
1364 \def\@array{\adl@everyvbox\everyvbox
1365 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1366 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1367 \let\adl@noalign\noalign
1368 \adl@array}
1369 \ifadl@usingarypkg
1370 \def\@testpach{\@chclass
1371 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1372 \ifnum \@lastchclass=7 5 \else
1373 \ifnum \@lastchclass=8 \tw@ \else
1374 \ifnum \@lastchclass=9 \thr@@
1375 \else \z@
1376 \ifnum \@lastchclass = 10 \else
1377 \edef\@nextchar{\expandafter\string\@nextchar}%
1378 \chnum
1379 \if \@nextchar c\z@ \else
1380 \if \@nextchar \ifRTL\endR\else l\fi\@ne \else
1381 \if \@nextchar \ifRTL\endR\else r\fi\@tw@ \else
1382 \z@ \@chclass
1383 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1384 \if\@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else

```



```

1385 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1386 \if \@nextchar !6 \else
1387 \if \@nextchar @7 \else
1388 \if \@nextchar <8 \else
1389 \if \@nextchar >9 \else
1390 10
1391 \@chnum
1392 \if \@nextchar m\thr@@\else
1393 \if \@nextchar p4 \else
1394 \if \@nextchar b5 \else
1395 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1396 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1397
1398 \def\@classz{\@classx
1399 \@tempcnta \count@
1400 \prepnext@tok
1401 \@addtopreamble{\ifcase \@chnum
1402 \hfil
1403 \adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
1404 \hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
1405 \hfil\hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\or
1406 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1407 \adl@endmbox\or
1408 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1409 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1410 \fi}\prepnext@tok}
1411 \def\adl@class@start{4}
1412 \def\adl@class@iiiorvii{7}
1413
1414 \else
1415 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1416 \ifnum \@lastchclass=\thr@@ 5\relax \else
1417 \z@ \if #1c\@chnum \z@ \else
1418 \if \ifRTLTtab#1r\else#1l\fi\@chnum \@ne \else
1419 \if \ifRTLTtab#1l\else#1r\fi\@chnum \tw@ \else
1420 \@chclass
1421 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1422 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1423 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1424 \if #1@ \tw@ \else
1425 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1426 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1427
1428 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1429 \or \or \@addamp \or
1430 \@acolampacol \or \@firststampfalse \@acol \fi
1431 \edef\@preamble{\@preamble
1432 \ifcase \@chnum
1433 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1434 \or \adl@putlrc{\$relax\@sharp$}\hfil
1435 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1436 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1437 \or \or \@addamp \or
1438 \@acolampacol \or \@firststampfalse \@acol \fi
1439 \edef\@preamble{\@preamble
1440 \ifcase \@chnum
1441 \hfil\adl@putlrc{\@sharp\unskip}\hfil

```



```

1442          \or \adl@putlrc{\@sharp\unskip}\hfil
1443          \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1444 \def\adl@class@start{6}
1445 \def\adl@class@iiiorvii{3}
1446 \fi
1447 \@ifpackageloaded{colortbl}{%
1448 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1449 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1450 \let\@endpbox\adl@org@endpbox}
1451 \let\adl@CT@setup\CT@setup
1452 \def\CT@setup{\adl@CT@setup
1453 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1454 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1455 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1456 \let\adl@act@CT@setup\CT@setup
1457 \def\@classz{\@classz
1458 \@tempcnta\count@ \prepnext@tok
1459 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1460 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1461 \expandafter\adl@extract@drsc
1462 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1463 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1464 \@addtopreamble{\ifRTL\beginL\fi%
1465 \setbox\z@\hbox\bgroup\bgroup\ifRTL\beginR\fi
1466 \ifcase \@chnum
1467 \hskip\stretch{.5}\kern\z@
1468 \d@llarbegin
1469 \insert@column
1470 \d@llarend\hskip\stretch{.5}%
1471 \or \d@llarbegin \insert@column \d@llarend \hfill
1472 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1473 \or $\vcenter
1474 \startpbox{\@nextchar}\insert@column \endpbox $\%
1475 \or \vtop \startpbox{\@nextchar}\insert@column \endpbox
1476 \or \vbox \startpbox{\@nextchar}\insert@column \endpbox
1477 \fi
1478 \ifRTL\endR\fi\egroup\egroup
1479 \begingroup
1480 \CT@setup
1481 \CT@column@color
1482 \CT@row@color
1483 \CT@cell@color
1484 \CT@do@color
1485 \endgroup
1486 \@tempdima\ht\z@
1487 \advance\@tempdima\minrowclearance
1488 \vrule\@height\@tempdima\@width\z@
1489 \unhbox\z@\ifRTL\endL\fi}%
1490 \prepnext@tok}
1491 \let\adl@act@classz\@classz
1492 \let\adl@org@classz\@classz
1493 }{}

```

14 File bidi.sty

```

1494 \NeedsTeXFormat{LaTeX2e}
1495 \def\bididate{2020-01-29}

```



```

1496 \def\bidiversion{35.11}
1497 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1498 Bidirectional typesetting in plain TeX and LaTeX]
1499 \edef\@bidi@info{*****^^J%
1500 * ^^J%
1501 * bidi package (Bidirectional typesetting in^^J%
1502 * plain TeX and LaTeX, using XeTeX engine)^^J%
1503 * ^^J%
1504 * Description: A convenient interface for^^J%
1505 * typesetting bidirectional texts in plain TeX^^J%
1506 * and LaTeX. The package includes adaptations^^J%
1507 * for use with many other commonly-used packages.^^J%
1508 * ^^J%
1509 * Copyright (c) 2009--2019 Vafa Khalighi^^J%
1510 * 2018-2020 bidi-tex GitHub Organisation^^J%
1511 * ^^J%
1512 * v\bidiversion, \bididate^^J%
1513 * ^^J%
1514 * License: LaTeX Project Public License, version^^J%
1515 * 1.3c or higher (your choice)^^J%
1516 * ^^J%
1517 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1518 * ^^J%
1519 * Issue tracker: https://github.com/bidi-tex/bidi/issues^^J%
1520 * ^^J%
1521 *****}
1522 \typeout{\@bidi@info}
1523 \edef\bidieveryjob{\the\everyjob}
1524 \everyjob{\bidieveryjob\typeout{\@bidi@info}}
1525 \newcommand*{\bidiversion}{\ensuremath\bidiversion}
1526 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1527   \ifdim\bidiversion pt > #1 pt %
1528     \expandafter\@firstoftwo
1529   \else
1530     \expandafter\@secondoftwo
1531   \fi}
1532 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1533   \ifdim\bidiversion pt < #1 pt %
1534     \expandafter\@firstoftwo
1535   \else
1536     \expandafter\@secondoftwo
1537   \fi}
1538 \newcommand*{\IfbidiPackageVersion}[1]{%
1539   \ifdim\bidiversion pt = #1 pt %
1540     \expandafter\@firstoftwo
1541   \else
1542     \expandafter\@secondoftwo
1543   \fi}
1544 \RequirePackage{iftex}
1545 \RequirePackage{XeTeX}
1546 \RequirePackage{biditools}
1547 \RequirePackage{zref-abspage}
1548 \RequirePackage{auxhook}
1549 \RequirePackage{ltxcmds}
1550 \RequirePackage{xkeyval}
1551 \eqnewif{\if@RTLmain}{\if@rlmain}
1552 \eqnewif{\if@RTL}{\if@rl}

```




```

1553 \newif\if@nonlatin
1554 \newif\if@bidi@perpage@footnote
1555 \newcommand*{\setlatin}{\@nonlatinfalse}
1556 \newcommand*{\setnonlatin}{\@nonlatintrue}
1557 \eqnewif{\if@RTLtab}{\if@tab@rl}
1558 \newif\if@hboxRconstruct
1559 \newif\if@bidi@pdfencrypt
1560 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1561 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1562 \newif\if@bidi@pdfm@mark
1563 \newif\if@RTLMarginpar
1564 \newif\if@LTRMarginpar
1565 \newif\if@LTRbibitems
1566 \newif\if@RTLBibitems
1567 \newif\if@extrafootnotefeatures
1568 \newif\if@RTLcolumnfootnotes
1569 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1570 \newif\if@bidi@list@minipage@parbox
1571 \newif\if@bidi@list@minipage@parbox@not@nob
1572 \newcommand*{\@bidi@pdfcreator}{%
1573   The bidi package, v\bidi@version, \bidi@date
1574 }
1575 \newcommand*{\@bidi@pdfproducer}{%
1576   The bidi package, v\bidi@version, \bidi@date
1577 }
1578 \newcommand*{\@bidi@pdfcustomproperties}{%
1579   This is the bidi package, Version \bidi@version,
1580   Released June 14, 2019.
1581 }
1582 \@RTLmainfalse
1583 \AtBeginDocument{%
1584   \if@RTLmain\else
1585     \if@RTL\@RTLmaintrue%
1586     \else\@RTLmainfalse%
1587     \fi%
1588   \fi%
1589 }
1590 \let\n@xt=\
1591 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1592 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1593 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1594 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1595 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1596   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1597 \newinsert\@bidi@copyins@
1598 \skip\@bidi@copyins@=12\p@
1599 \dimen\@bidi@copyins@=40pc
1600 \count\@bidi@copyins@=1000
1601 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1602 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
1603   \if@RTLmain
1604     \if@twocolumn
1605       \hboxR to \columnwidth
1606     \else
1607       \hboxR to \textwidth
1608     \fi
1609   \else

```



```

1610 \if@twocolumn
1611 \hboxL to \columnwidth
1612 \else
1613 \hboxL to \textwidth
1614 \fi
1615 \fi
1616 }
1617 \newcommand*{\@bidi@logo}[1]{%
1618 \toks@{%
1619 \setbox\z@\hbox{%
1620 \special{%
1621 pdf:image width 50pt height 50pt (#1)%
1622 }
1623 }%
1624 \dp\z@\z@
1625 \ht\z@=50pt
1626 \wd\z@=50pt
1627 \beginL
1628 \lower20pt\box\z@
1629 \endL
1630 }%
1631 \the\toks@
1632 }
1633 \newcommand*{\@bidi@logo@}{%
1634 \@bidi@logo@hb@xt@columnwidth
1635 {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
1636 package\quad\@bidi@logo{bidi-logo.pdf}}}}
1637 \define@key{bidi@pdfencrypt}{userpassword}[]{%
1638 \def\bidi@pdfencrypt@userpassword{#1}%
1639 }
1640 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
1641 \def\bidi@pdfencrypt@ownerpassword{#1}%
1642 }
1643 \define@key{bidi@pdfencrypt}{keylength}[128]{%
1644 \def\bidi@pdfencrypt@keylength{#1}%
1645 }
1646 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
1647 \def\bidi@pdfencrypt@permissionflags{#1}%
1648 }
1649 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
1650 \@onlypreamble\pdfencryptsetup
1651 \input{latex-xetex-bidi.def}
1652 \input{loadingorder-xetex-bidi.def}
1653 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1654 \ifcase\bidi@tempb\relax
1655 \@RTLtrue
1656 \or
1657 \@RTLfalse
1658 \fi}
1659 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1660 \ifcase\bidi@tempb\relax
1661 \@RTLtrue
1662 \or
1663 \@RTLfalse
1664 \fi}
1665 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1666 \ifcase\bidi@tempb\relax

```



```

1667 \RTLtabtrue
1668 \or
1669 \RTLtabfalse
1670 \fi}
1671 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1672 \ifcase\bidi@tempb\relax
1673 \nonlatinfalse
1674 \or
1675 \nonlatintrue
1676 \fi}
1677 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1678 \ifcase\bidi@tempb\relax
1679 \RTLtrue
1680 \or
1681 \RTLfalse
1682 \fi}
1683 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,textwidth}
1684 \ifcase\bidi@tempb\relax
1685 \autofootnoterule
1686 \or
1687 \leftfootnoterule
1688 \or
1689 \rightfootnoterule
1690 \or
1691 \SplitFootnoteRule
1692 \or
1693 \textwidthfootnoterule
1694 \fi}
1695 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1696 \ifcase\bidi@tempb\relax
1697 \RTL@footnotetrue
1698 \or
1699 \RTL@footnotefalse
1700 \fi}
1701 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1702 \ifcase\bidi@tempb\relax
1703 \footdir@debugtrue
1704 \or
1705 \footdir@debugfalse
1706 \fi}
1707 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1708 \ifcase\bidi@tempb\relax
1709 \@extrafootnotefeaturestrue
1710 \or
1711 \@extrafootnotefeaturesfalse
1712 \fi}
1713
1714 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1715 \ifcase\bidi@tempb\relax
1716 \def\bidi@firstcolumn@status@write{%
1717 \protected@write\@auxout{%
1718 \string\bidi@column@status
1719 {1}}}%
1720 \def\bidi@lastcolumn@status@write{%
1721 \protected@write\@auxout{%
1722 \string\bidi@column@status{2}}}%
1723 \or

```



```

1724 \let\bidifirstcolumn@status@write\relax
1725 \let\bidilastcolumn@status@write\relax
1726 \fi}
1727
1728 \define@choicekey{bidi.sty}{logo}{\bidi@tempa\bidi@tempb}{on,off}[on]{%
1729 \ifcase\bidi@tempb\relax
1730 \AtBeginDocument{\@bidi@inslogo}%
1731 \or
1732 \let\@bidi@logo@\empty \let\@bidi@inslogo@\empty
1733 \fi}
1734
1735 \define@choicekey{bidi.sty}{pdfinfo}{\bidi@tempa\bidi@tempb}{on,off}[on]{%
1736 \ifcase\bidi@tempb\relax
1737 \@bidi@pdfm@marktrue
1738 \or
1739 \@bidi@pdfm@markfalse
1740 \fi}
1741
1742 % The 'perpagefootnote' option is documented in UK TeX FAQ at
1743 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
1744
1745 \define@choicekey{bidi.sty}{perpagefootnote}{\bidi@tempa\bidi@tempb}{on,off}[on]{%
1746 \ifcase\bidi@tempb\relax
1747 \@bidi@perpage@footnotetrue
1748 \or
1749 \@bidi@perpage@footnotefalse
1750 \fi}
1751
1752 \ExecuteOptionsX{%
1753 DetectColumn=off%
1754 }
1755
1756 \ProcessOptionsX
1757
1758 \pdfencryptsetup{%
1759 userpassword,%
1760 ownerpassword,%
1761 keylength,%
1762 permissionflags%
1763 }
1764
1765 \if@extrafootnotefeatures
1766 \input{extrafootnotefeatures-xetex-bidi.def}
1767 \fi
1768 \newcount\bidi@digits
1769 \XeTeXinterchartokenstate=\@ne
1770 \newXeTeXintercharclass\bidi@digits@charclass
1771 \newXeTeXintercharclass\bidi@sepmark@charclass
1772 \XeTeXcharclass \. \bidi@sepmark@charclass
1773 \XeTeXcharclass \- \bidi@sepmark@charclass
1774 \bidi@digits=\0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<\9 \advan
1775 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<\ \advan
1776 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
1777 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1778 \bidi@AtEndPreamble{%
1779 \if@bidi@perpage@footnote
1780 \RequirePackage{bidi-perpage}%

```



```

1781 \ResetCounterPerPage{footnote}%
1782 \fi
1783 \ifx\@bidi@pdfencrypt@ownerpassword\@bidi@empty
1784 \ifx\@bidi@pdfencrypt@userpassword\@bidi@empty
1785 \@bidi@pdfencryptfalse
1786 \else
1787 \@bidi@pdfencrypttrue
1788 \fi
1789 \else
1790 \@bidi@pdfencrypttrue
1791 \fi
1792 \if@bidi@pdfencrypt
1793 \special{pdf:encrypt
1794 userpw (\@bidi@pdfencrypt@userpassword)
1795 ownerpw (\@bidi@pdfencrypt@ownerpassword)
1796 length \@bidi@pdfencrypt@keylength
1797 perm \@bidi@pdfencrypt@permissionflags
1798 }%
1799 \fi
1800 }
1801 \AtEndDocument{%
1802 \special{pdf:
1803 docinfo<<%
1804 \if@bidi@pdfm@mark
1805 /Creator(\@bidi@pdfcreator)%
1806 /Producer(\@bidi@pdfproducer)%
1807 \fi
1808 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1809 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
1810 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
1811 }{}%
1812 >>%
1813 }%
1814 }

```

15 File bidi.tex

```

1815 \def\bididate{2020-01-29}
1816 \catcode`\@=11
1817 \def\@bidi@version{35.11}
1818 \let \protect \relax
1819 \newlinechar`\^^J
1820 \edef\@bidi@info{*****^^J%
1821 * ^^J%
1822 * bidi package (Bidirectional typesetting in^^J%
1823 * plain TeX and LaTeX, using XeTeX engine)^^J%
1824 * ^^J%
1825 * Description: A convenient interface for^^J%
1826 * typesetting bidirectional texts in plain TeX^^J%
1827 * and LaTeX. The package includes adaptations^^J%
1828 * for use with many other commonly-used packages.^^J%
1829 * ^^J%
1830 * Copyright (c) 2009--2019 Vafa Khalighi^^J%
1831 * 2018-2020 bidi-tex GitHub Organisation^^J%
1832 * ^^J%
1833 * v\@bidi@version, \bididate^^J%
1834 * ^^J%

```



```

1835 * License: LaTeX Project Public License, version^^J%
1836 * 1.3c or higher (your choice)^^J%
1837 * ^^J%
1838 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1839 * ^^J%
1840 * Issue tracker: https://github.com/bidi-tex/bidi/issues^^J%
1841 * ^^J%
1842 *****}
1843 \message{\@bidi@info}
1844 \edef\bidi@everyjob{\the\everyjob}
1845 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1846 \def\bidiversion{%
1847   \relax
1848   \ifmmode
1849     \bidi@version
1850   \else
1851     $\bidi@version$
1852   \fi
1853 }
1854 \input iftex.sty
1855 \RequireXeTeX
1856 \newif\if@bidi@pdfm@mark
1857 \newif\if@RTLmain
1858 \newif\if@RTL
1859 \newif\if@hboxRconstruct
1860 \newif\if@sendif
1861 \newif\if@RTL@footnote
1862 \@RTLmainfalse
1863 \def\setRTLmain{%
1864   \if@RTLmain\else
1865     \if@RTL\@RTLmaintrue%
1866     \else\@RTLmainfalse%
1867   \fi%
1868   \fi%
1869 }
1870 \let\n@xt=\
1871 \protected\def\LRE{\protect\pLRE}%
1872 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1873 \protected\def\RLE{\protect\pRLE}
1874 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1875 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1876   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1877 \newinsert\@bidi@copyins@
1878 \skip\@bidi@copyins@=12\p@
1879 \dimen\@bidi@copyins@=40pc
1880 \count\@bidi@copyins@=1000
1881 \def\@bidi@inslogo@\{\insert\@bidi@copyins@\{\@bidi@logo@\}}
1882 \def\@bidi@logo@hb@xt@{%
1883   \if@RTLmain
1884     \hboxR to
1885   \else
1886     \hboxL to
1887   \fi
1888 }
1889 \def\@bidi@logo#1{%
1890   \toks@{%
1891     \setbox\z@\hbox{%

```



```

1892     \special{%
1893         pdf:image width 50pt height 50pt (#1)%
1894     }
1895 }%
1896 \dp\z@\z@
1897 \ht\z@=50pt
1898 \wd\z@=50pt
1899 \beginL
1900     \lower20pt\box\z@
1901 \endL
1902 }%
1903 \the\toks@
1904 }
1905 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@logo{\bidi
1906 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
1907 \def\@bidi@pdfcreator{%
1908     The bidi package, v\@bidi@version, \@bidi@date
1909 }
1910 \def\@bidi@pdfproducer{%
1911     The bidi package, v\@bidi@version, \@bidi@date
1912 }
1913 \def\@bidi@pdfcustomproperties{%
1914     This is the bidi package, Version \@bidi@version,
1915     Released June 14, 2019.
1916 }
1917 \def\@bidi@pdfm@mark{%
1918     \special{pdf:%
1919         docinfo<<%
1920             \if\@bidi@pdfm@mark
1921                 /Creator(\@bidi@pdfcreator)%
1922                 /Producer(\@bidi@pdfproducer)%
1923             \fi
1924             /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1925             >>%
1926         }%
1927 }
1928 \def\@bidi@pdfinfoon{\@bidi@pdfm@marktrue}
1929 \def\@bidi@pdfinfooff{\@bidi@pdfm@markfalse}
1930 \input plain-xetex-bidi.def
1931 \@bidi@inslogo@
1932 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark\end}
1933 \catcode\@=12
1934 \bidi@pdfinfoon

```

16 File bidi2in1.sty

```

1935 \NeedsTeXFormat{LaTeX2e}
1936 \ProvidesPackage{bidi2in1}
1937 \pagestyle{plain}
1938 \newcount\evenpage
1939 \newcount\oddpage
1940 \twocolumn
1941 \def\@oddfoot{\evenpage=\the\page%
1942 \multiply\evenpage by 2%
1943 \oddpage=\the\evenpage%
1944 \advance\oddpage by -1%
1945 \hfil\the\evenpage\hfil\hfil\the\oddpage\hfil}%

```



```

1946 \def\@evenfoot{\evenpage=\thepage%
1947 \multiply\evenpage by 2%
1948 \oddpage=\the\evenpage%
1949 \advance\oddpage by -1%
1950 \hfil\the\oddpage\hfil\hfil\the\evenpage\hfil}%
1951 \textwidth 9.49in
1952 \textheight 6.7in
1953 \columnsep 0.9in
1954 \columnseprule 0.125pt
1955 \headheight 0cm
1956 \topmargin 0in
1957 \marginparwidth 0in
1958 \marginparsep 0in
1959 \hoffset 0.05in % Corrected
1960 \voffset -0.5in %top margin space is 1.0in by default
1961 \oddsidemargin 0in
1962 \evensidemargin 0in
1963 \headsep 0cm
1964 \topskip 0cm
1965 \parskip 0.15in %
1966 \headsep 0pt
1967 \special{papersize=11.69in,8.26in}
1968 \renewcommand\maketitle{\par
1969 \begingroup
1970 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1971 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1972 \long\def\@makefntext##1{\parindent 1em\noindent
1973 \hb@xt@1.8em{%
1974 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1975 \@maketitle
1976 \@thanks
1977 \endgroup
1978 \setcounter{footnote}{0}%
1979 \global\let\thanks\relax
1980 \global\let\maketitle\relax
1981 \global\let\@maketitle\relax
1982 \global\let\@thanks\@empty
1983 \global\let\@author\@empty
1984 \global\let\@date\@empty
1985 \global\let\@title\@empty
1986 \global\let\title\relax
1987 \global\let\author\relax
1988 \global\let\date\relax
1989 \global\let\and\relax
1990 }

```

17 File bidicode.sty

```

1991 \NeedsTeXFormat{LaTeX2e}
1992 \ProvidesPackage{bidicode}
1993 \RequirePackage{xcolor}
1994 \RequirePackage{showexpl}
1995 \definecolor{hellgelb}{rgb}{1,1,0.85}
1996 \definecolor{colKeys}{rgb}{0,0,1}
1997 \definecolor{colIdentifier}{rgb}{0,0,0}
1998 \definecolor{colComments}{rgb}{1,0,0}
1999 \definecolor{colString}{rgb}{0,0.5,0}

```




```

2000 \lstset{
2001     language=[LaTeX]TEX,
2002     float=hbp,
2003     basicstyle=\ttfamily\small,
2004     identifierstyle=\color{colIdentifier},
2005     keywordstyle=\color{colKeys},
2006     stringstyle=\color{colString},
2007     commentstyle=\color{colComments},
2008     backgroundcolor=\color{hellgelb},
2009     columns=flexible,
2010     tabsize=4,
2011     extendedchars=true,
2012     showspace=false,
2013     showstringspaces=false,
2014     numbers=left,
2015     numbersep=0.9em,
2016     numberstyle=\tiny, %
2017     frame=single,
2018     captionpos=b,
2019     xleftmargin=1em,
2020     breaklines=true,
2021     breakautoindent=false,
2022     breakindent=Opt,
2023     escapeinside=**,
2024     pos=r,
2025     explpreset={%
2026     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2027     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
2028 }
2029 \newcommand\HLON{%
2030     \gdef\lst@alloverstyle##1{%
2031         \fboxrule=Opt
2032         \fboxsep=Opt
2033         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2034 }}
2035 \newcommand\HLOFF{%
2036     \xdef\lst@alloverstyle##1{##1}%
2037 }
2038 \newcommand\Larg [1]{\{\normalfont\itshape#1\}}
2039 \newcommand\Larga[1]{\$\angle$\Larg{#1}$\rangle$}
2040 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2041 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2042 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2043 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{}\begin\lcb#1\rcb\}}
2044 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}\end\lcb#1\rcb\}}
2045
2046 \DeclareRobustCommand\bs{\{\normalfont\ttfamily\symbol{92}\}}
2047 \DeclareRobustCommand\lcb{\{\normalfont\ttfamily\char`{}\}}
2048 \DeclareRobustCommand\rcb{\{\normalfont\ttfamily\char`{}\}}
2049 \DeclareRobustCommand\lsb{\{\normalfont\ttfamily[]\}}
2050 \DeclareRobustCommand\rsb{\{\normalfont\ttfamily[]\}}
2051 \DeclareRobustCommand\lrb{\{\normalfont\ttfamily{}\}}
2052 \DeclareRobustCommand\rrb{\{\normalfont\ttfamily{}\}}
2053
2054 \def\Lcs#1{\nxLcs{#1}}
2055 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2056 \def\nxLcs#1{\texttt{\symbol{92}#1}}

```



```

2057
2058 \def\Coordx#1{${x}_{#1}$}
2059 \def\Coordy#1{${y}_{#1}$}
2060 \def\Coordz#1{${z}_{#1}$}
2061 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2062 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2063 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2064 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
2065 \def\CIIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
2066 \def\coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2067 \def\coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2068 \def\coordiii#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2069 \def\coordx#1{${x}_{#1}$}
2070 \def\coordy#1{${y}_{#1}$}
2071 \def\coordz#1{${z}_{#1}$}
2072 \def\cAny{\Coordx{ },\kern 1pt\Coordy{ }}
2073 \def\ciiiiAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
2074
2075 \newsavebox{\boxdef}
2076 \newenvironment{BDef}
2077   {\begin{lrbox}\boxdef
2078     \def\arraystretch{1.0}
2079     \begin{tabular}{@{}l@{}l@{}l@{}}
2080   }
2081   {\end{tabular}\end{lrbox}}
2082
2083   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2084   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2085 }
2086
2087 \newenvironment{BDef*}
2088   {\begin{lrbox}\boxdef
2089     \def\arraystretch{1.0}
2090     \begin{tabular}{@{}l@{}l@{}l@{}}
2091   }
2092   {\end{tabular}\end{lrbox}}
2093   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2094   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2095 }
2096 \newenvironment{BCmd}{
2097   \@beginparpenalty-\@lowpenalty
2098   \topsep\BDefaboveskip
2099   \fbboxsep3pt
2100   \flushleft}
2101   {\@endparpenalty\@M
2102   \@topsepadd\BDefbelowskip
2103   \endflushleft}
2104
2105 \newenvironment{BCmd*}{
2106   \@beginparpenalty\@M
2107   \topsep\BDefinlineskip
2108   \fbboxsep3pt
2109   \flushleft}
2110   {\@endparpenalty5000
2111   \endflushleft}
2112
2113 \newskip\BDefaboveskip

```



```

2114 \newskip\BDefbelowskip
2115 \newskip\BDefinlineskip
2116 \setlength\BDefaboveskip{10pt plus 4pt}
2117 \setlength\BDefbelowskip{6pt}
2118 \setlength\BDefinlineskip{6pt}
2119
2120 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2121 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2122 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2123 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

2124 \NeedsTeXFormat{LaTeX2e}
2125 \ProvidesPackage{bidiftnxtra}
2126 \newtoks\bidip@ftn
2127 \let\FN@sffootnote\footnote
2128 \let\FN@sff@LTRfootnote\LTRfootnote
2129 \let\FN@sff@RTLfootnote\RTLfootnote
2130 \def\footnote{\ifx\protect\@typeset@protect
2131   \expandafter\FN@sffootnote
2132   \else
2133     \expandafter\FN@sff@gobble@opt
2134   \fi
2135 }
2136 \def\LTRfootnote{\ifx\protect\@typeset@protect
2137   \expandafter\FN@sff@LTRfootnote
2138   \else
2139     \expandafter\FN@sff@gobble@opt
2140   \fi
2141 }
2142 \def\RTLfootnote{\ifx\protect\@typeset@protect
2143   \expandafter\FN@sff@RTLfootnote
2144   \else
2145     \expandafter\FN@sff@gobble@opt
2146   \fi
2147 }
2148 \edef\FN@sff@gobble@opt{\noexpand\protect
2149   \expandafter\noexpand\csname FN@sff@gobble@opt \endcsname}
2150 \expandafter\def\csname FN@sff@gobble@opt \endcsname{%
2151   \@ifnextchar[%]
2152     \FN@sff@gobble@twobracket
2153     \@gobble
2154 }
2155 \def\FN@sff@gobble@twobracket[#1]#2{}
2156 \let\FN@sff@footnotemark\footnotemark
2157 \def\footnotemark{\ifx\protect\@typeset@protect
2158   \expandafter\FN@sff@footnotemark
2159   \else
2160     \expandafter\FN@sff@gobble@optonly
2161   \fi
2162 }
2163 \edef\FN@sff@gobble@optonly{\noexpand\protect
2164   \expandafter\noexpand\csname FN@sff@gobble@optonly \endcsname}
2165 \expandafter\def\csname FN@sff@gobble@optonly \endcsname{%
2166   \@ifnextchar[%]
2167     \FN@sff@gobble@bracket

```



```

2168 {}%
2169 }
2170 \def\FN@sf@gobble@bracket[#1]{%
2171 \def\@tabular{%
2172 \leavevmode \hbox \bgroup
2173 \let\@footnotetext\@bidi@p@ftntext
2174 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2175 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2176 \let\@xfootnotenext\@bidi@p@xftntext
2177 \let\@xfootnote\@bidi@p@xfootnote
2178 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2179 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2180 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2181 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2182 \ifRTLtab\beginR \fi
2183 $\let\@acol\@tabacol
2184 \let\@classz\@tabclassz
2185 \let\@classiv\@tabclassiv \let\\ \@tabularcr\@tabarray}
2186 \def\endtabular{\crr\egroup\ifRTLtab\egroup\endR\egroup\fi
2187 \egroup $\ifRTLtab\endR\fi\egroup
2188 \ifx\@capttype\@undefined
2189 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2190 \long\def\@bidi@p@ftntext#1{%
2191 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
2192 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2193 \long\def\@bidi@p@LTRftntext#1{%
2194 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2195 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2196 \long\def\@bidi@p@RTLftntext#1{%
2197 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2198 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2199
2200
2201 \long\def\@bidi@p@xftntext[#1]#2{%
2202 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
2203
2204 \long\def\@bidi@p@xLTRftntext[#1]#2{%
2205 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
2206
2207 \long\def\@bidi@p@xRTLftntext[#1]#2{%
2208 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
2209
2210
2211 \def\@bidi@p@xfootnote[#1]{%
2212 \begingroup
2213 \csname c@\@mpfn\endcsname #1\relax
2214 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2215 \endgroup
2216 \@footnotemark\@bidi@p@xftntext[#1]}
2217
2218
2219 \def\@bidi@p@xLTRfootnote[#1]{%
2220 \begingroup
2221 \csname c@\@mpfn\endcsname #1\relax
2222 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2223 \endgroup
2224 \@footnotemark\@bidi@p@xLTRftntext[#1]}

```



```

2225
2226
2227 \def\bidi@p@xRTLfootnote[#1]{%
2228   \begingroup
2229     \csname c@{\mpfn\endcsname #1\relax
2230     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2231   \endgroup
2232   \@footnotemark\bidi@p@xRTLftntext[#1]}
2233
2234 \def\xfloat #1[#2]{%
2235   \nodocument
2236   \def \@capttype {#1}%
2237   \def \@fps {#2}%
2238   \onelevel@sanitize \@fps
2239   \def \reserved@a {!}%
2240   \ifx \reserved@a \@fps
2241     \fpsadddefault
2242   \else
2243     \ifx \@fps \@empty
2244       \fpsadddefault
2245     \fi
2246   \fi
2247   \ifhmode
2248     \bsphack
2249     \floatpenalty -\@Mii
2250   \else
2251     \floatpenalty-\@Miii
2252   \fi
2253   \ifinner
2254     \parmoderr\floatpenalty\z@
2255   \else
2256     \next\@currbox\@freelist
2257     {%
2258       \@tempcnta \sixt@@n
2259       \expandafter \@tfor \expandafter \reserved@a
2260       \expandafter :\expandafter =\@fps
2261       \do
2262       {%
2263         \if \reserved@a h%
2264           \ifodd \@tempcnta
2265           \else
2266             \advance \@tempcnta \@ne
2267           \fi
2268         \fi
2269         \if \reserved@a t%
2270           \setfpsbit \tw@
2271         \fi
2272         \if \reserved@a b%
2273           \setfpsbit 4%
2274         \fi
2275         \if \reserved@a p%
2276           \setfpsbit 8%
2277         \fi
2278         \if \reserved@a !%
2279           \ifnum \@tempcnta>15
2280             \advance\@tempcnta -\sixt@@n\relax
2281           \fi

```



```

2282         \fi
2283     }%
2284     \@tempcntb \csname ftype@\@capttype \endcsname
2285     \multiply \@tempcntb \@xxxii
2286     \advance \@tempcnta \@tempcntb
2287     \global \count\@currbox \@tempcnta
2288     }%
2289     \@fltovf
2290 \fi
2291 \global \setbox\@currbox
2292     \color@vbox
2293     \normalcolor
2294     \vbox \bgroup
2295     \let\@footnotetext\@bidi@p@ftntext
2296     \let\@LTRfootnotetext\@bidi@p@LTRftntext
2297     \let\@RTLfootnotetext\@bidi@p@RTLftntext
2298     \let\@xfootnotenext\@bidi@p@xftntext
2299     \let\@xfootnote\@bidi@p@xfootnote
2300     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2301     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2302     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2303     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2304     \hsize\columnwidth
2305     \@parboxrestore
2306     \@floatboxreset
2307 }
2308 \def \@endfloatbox{%
2309     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2310     \minipagefalse
2311     \outer@nobreak
2312     \egroup                %% end of vbox
2313     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2314     \color@endbox
2315 }

```

19 File bidimoderncv.cls

```

2316 \NeedsTeXFormat{LaTeX2e}
2317 \ProvidesClass{bidimoderncv}
2318 \newif\if@DEBUG\@DEBUGfalse
2319 \DeclareOption{a4paper}{
2320     \setlength\paperheight{297mm}
2321     \setlength\paperwidth{210mm}}
2322 \DeclareOption{a5paper}{
2323     \setlength\paperheight{210mm}
2324     \setlength\paperwidth{148mm}}
2325 \DeclareOption{b5paper}{
2326     \setlength\paperheight{250mm}
2327     \setlength\paperwidth{176mm}}
2328 \DeclareOption{letterpaper}{
2329     \setlength\paperheight{11in}
2330     \setlength\paperwidth{8.5in}}
2331 \DeclareOption{legalpaper}{
2332     \setlength\paperheight{14in}
2333     \setlength\paperwidth{8.5in}}
2334 \DeclareOption{executivepaper}{
2335     \setlength\paperheight{10.5in}

```



```

2336 \setlength\paperwidth{7.25in}}
2337 \DeclareOption{landscape}{
2338 \setlength\@tempdima{\paperheight}
2339 \setlength\paperheight{\paperwidth}
2340 \setlength\paperwidth{\@tempdima}}
2341 \newcommand\@ptsize{
2342 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2343 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2344 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2345 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2346 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2347 \newif\if@colour\@colourtrue
2348 \DeclareOption{nocolour}{\@colourfalse}
2349 \ExecuteOptions{a4paper,11pt,colour,final}
2350 \ProcessOptions\relax
2351 \input{size1\@ptsize.clo}
2352 \RequirePackage{color}
2353 \RequirePackage{graphicx}
2354 \RequirePackage{ifthen}
2355 \RequirePackage{marvosym}
2356 \addtolength{\oddsidemargin}{-54pt}
2357 \addtolength{\textwidth}{109pt}
2358 \addtolength{\topmargin}{-70pt}
2359 \addtolength{\textheight}{122pt}
2360 \addtolength{\marginparsep}{-5pt}
2361 \addtolength{\marginparwidth}{-10pt}
2362 \RequirePackage{url}
2363 \RequirePackage{hyperref}
2364 \hypersetup{
2365   breaklinks,
2366   baseurl      = http://,%
2367   pdfborder    = 0 0 0,%
2368   pdfpagemode  = UseNone,%
2369   pdfstartpage = 1}
2370 \AtEndOfClass{
2371 \AtBeginDocument{
2372   \hypersetup{
2373     pdfauthor    = \@firstname-\@familyname,%
2374     pdftitle     = \@title,%
2375     pdfsubject   = \@firstname-\@familyname,%
2376     pdfkeywords  = \@resumename-\@firstname-\@familyname}}}
2377 \urlstyle{tt}
2378 \RequirePackage{fancyhdr}
2379 \fancypagestyle{plain}{
2380   \renewcommand{\headrulewidth}{0pt}
2381   \renewcommand{\footrulewidth}{0pt}
2382   \fancyhf{}}
2383 \pagestyle{plain}
2384 \setlength\lineskip{1\p@}
2385 \setlength\normallineskip{1\p@}
2386 \renewcommand\baselinestretch{
2387 \setlength{\parindent}{0pt}
2388 \setlength{\parskip}{0pt}
2389 \setlength\columnsep{10\p@}
2390 \setlength\columnseprule{0\p@}
2391 \pagestyle{empty}
2392 \pagenumbering{arabic}

```



```

2393 \raggedbottom
2394 \onecolumn
2395 \providecommand*\listitemsymbol{\textbullet}
2396 \providecommand*\addresssymbol{}
2397 \providecommand*\mobilesymbol{\Mobilefone}
2398 \providecommand*\phonesymbol{\Telefon}
2399 \providecommand*\faxsymbol{\FAX}
2400 \providecommand*\emailsymbol{\Letter}
2401 \definecolor{firstnamecolor}{rgb}{0,0,0}
2402 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2403 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2404 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2405 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2406 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2407 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2408 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2409 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2410 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2411 \providecommand*\firstnamefont{}
2412 \providecommand*\familynamefont{}
2413 \providecommand*\titlefont{}
2414 \providecommand*\addressfont{}
2415 \providecommand*\quoteftfont{}
2416 \providecommand*\sectionfont{}
2417 \providecommand*\subsectionfont{}
2418 \providecommand*\hintfont{\small}
2419 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2420 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamecolour#1\}}
2421 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1\}}
2422 \providecommand*\addresstyle[1]{\{\@addressfont\@addresscolour#1\}}
2423 \providecommand*\quotestyle[1]{\{\@quoteftfont\@quotecolour#1\}}
2424 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1\}}
2425 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1\}}
2426 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1\}}
2427 \newcommand*\cvtheme[2][]{\{
2428   \def\cvtheme{#2}
2429   \def\cvthemeoptions{#1\}}
2430 \cvtheme{bidi-casual}
2431 \AtBeginDocument{\RequirePackage[\cvthemeoptions]{cvtheme\cvtheme}}
2432 \newcommand*\resumename[1]{\def\@resumename{#1}}
2433 \newcommand*\firstname[1]{\def\@firstname{#1}}
2434 \newcommand*\familyname[1]{\def\@familyname{#1}}
2435 \renewcommand*\title[1]{\def\@title{#1}}
2436 \newcommand*\address[1]{\def\@address{#1}}
2437 \newcommand*\mobile[1]{\def\@mobile{#1}}
2438 \newcommand*\phone[1]{\def\@phone{#1}}
2439 \renewcommand*\fax[1]{\def\@fax{#1}}
2440 \newcommand*\email[1]{\def\@email{#1}}
2441 \newcommand*\extrainfo[1]{\def\@extrainfo{#1}}
2442 \def\@photowidth{0pt}
2443 \newcommand*\photo[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2444 \newcommand*\quote[1]{\def\@quote{#1}}
2445 \newlength{\quotewidth}
2446 \newlength{\hintscolumnwidth}
2447 \newlength{\separatorcolumnwidth}
2448 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2449 \newlength{\maincolumnwidth}

```




```

2450 \newlength{\doubleitemmaincolumnwidth}
2451 \newlength{\listitemsymbolwidth}
2452 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}~
2453 \newlength{\listitemmaincolumnwidth}
2454 \newlength{\listdoubleitemmaincolumnwidth}
2455 \newcommand*{\recomputethemelengths}{%
2456 \newcommand*{\recomputelengths}{%
2457 \setlength{\quotewidth}{0.65\textwidth}%
2458 \setlength{\maincolumnwidth}{\textwidth}%
2459 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2460 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2461 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2462 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2463 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2464 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2465 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2466 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2467 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2468 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2469 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2470 \renewcommand{\headwidth}{\textwidth}%
2471 \recomputethemelengths}
2472 \setlength{\hintscolumnwidth}{0.15\textwidth}
2473 \recomputelengths
2474 \title{}
2475 \renewcommand*{\maketitle}{}
2476 \newcommand*{\section}[1]{%
2477 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2478 \phantomsection}%
2479 \addcontentsline{toc}{part}{#1}%
2480 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\rule
2481 \hspace{\separatorcolumnwidth}%
2482 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
2483 \newcommand*{\subsection}[1]{%
2484 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2485 \newcommand*{\cvline}[3][.25em]{%
2486 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}}%
2487 \bidi@raggedleft\hintfont{#2} &{#3}%
2488 \end{tabular}\[\[1]}
2489 \newcommand*{\cvdoubleitem}[4]{%
2490 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2491 \hfill%
2492 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2493 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2494 \cvline[0pt]{}{#1-\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2495 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2496 \cvline[0pt]{}{#1-\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2497 \hfill%
2498 \ifthenelse{\equal{#3}{} }{
2499 {}%
2500 {#1-\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2501 \newcommand*{\cventry}[6]{%
2502 \cvline{#1}{%
2503 {\bfseries#2}%
2504 \ifx#3\else{, {\slshape#3}}\fi%
2505 \ifx#4\else{, #4}\fi%
2506 \ifx#5\else{, #5}\fi%

```



```

2507 .%
2508 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2509 }%
2510 \newcommand*{\cvlanguage}[3]{%
2511 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\textbf{#3}\end{minipage}}
2512 \newcommand*{\cvcomputer}[4]{%
2513 \cdoubleitem{#1}{\small#2}{#3}{\small#4}}
2514 \newcommand*{\link}[2][{}]{%
2515 \ifthenelse{\equal{#1}{}}{%
2516 {\href{#2}{#2}}%
2517 {\href{#2}{#1}}}
2518 \newcommand*{\httplink}[2][{}]{%
2519 \ifthenelse{\equal{#1}{}}{%
2520 {\href{http://#2}{#2}}%
2521 {\href{http://#2}{#1}}}
2522 \newcommand*{\emailink}[2][{}]{%
2523 \ifthenelse{\equal{#1}{}}{%
2524 {\href{mailto:#2}{#2}}%
2525 {\href{mailto:#2}{#1}}}
2526 \newif\if@displaypagenumbers\@displaypagenumberstrue
2527 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2528 \AtBeginDocument{%
2529 \if@displaypagenumbers%
2530 \@ifundefined{r@lastpage}{\fi%
2531 \ifthenelse{\pageref{lastpage} > 1}{%
2532 \fancyfootstyle{plain}{%
2533 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref{lastpage}}
2534 \pagestyle{plain}}}{\fi}%
2535 \AtEndDocument{\label{lastpage}}%
2536 \fi}
2537 \newlength{\bibindent}
2538 \setlength{\bibindent}{1.5em}
2539 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2540 \newenvironment{thebibliography}[1]{%
2541 {%
2542 \section{\refname}%
2543 \small%
2544 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2545 \bidi@thebibliography@font@hook%
2546 \begin{list}{\bibliographyitemlabel}%
2547 {%
2548 \setlength{\topsep}{0pt}%
2549 \setlength{\labelwidth}{\hintscolumnwidth}%
2550 \setlength{\labelsep}{\separatorcolumnwidth}%
2551 \leftmargin\labelwidth%
2552 \advance\leftmargin\labelsep%
2553 \@openbib@code%
2554 \usecounter{enumiv}%
2555 \let\p@enumiv\@empty%
2556 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2557 \sloppy\clubpenalty4000\widowpenalty4000%
2558 }%
2559 {%
2560 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2561 \end{list}%
2562 }
2563 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}

```



```
2564 \let\@openbib@code\@empty
```

20 File bidi-perpage.sty

```
2565 \NeedsTeXFormat{LaTeX2e}
2566 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
2567 \newcount\@bidi@page@count
2568 \bidi@page@count\@ne
2569 \newcommand*\@ResetCounterPerPage}[2][\z@]{%
2570   \if@bidi@csundef{\bidi@stepcounterhook@#2}{%
2571     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{%
2572       }{}%
2573     \if@bidi@csundef{\if@bidi@reset@#2@rerun}{%
2574       \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
2575     }{}%
2576     \if@bidi@csundef{\bidi@#2@count}{%
2577       \expandafter\newcount\csname bidi@#2@count\endcsname
2578     }{}%
2579     \csname bidi@#2@count\endcsname\z@
2580     \if@bidi@csundef{\bidi@previous@page@#2@count}{%
2581       \expandafter\newcount\csname
2582         bidi@previous@page@#2@count\endcsname
2583     }{}%
2584     \csname bidi@previous@page@#2@count\endcsname\z@
2585     \if@bidi@csundef{\bidi@reset@#2@perpage}{%
2586       \bidi@AfterEndDocumentCheckLabelsRerun{%
2587         \csname if@bidi@reset@#2@rerun\endcsname
2588         \PackageWarningNoLine{bidi-perpage}{%
2589           Counter `#2' may not have been reset per page.
2590           Rerun to reset counter `#2' per page%
2591         }%
2592       }%
2593     }{}%
2594   }{}%
2595   \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
2596     \global\advance\csname bidi@#2@count\endcsname\@ne
2597     \if@filesw
2598       \edef\@tempa{%
2599         \write\@auxout{%
2600           \string\bidi@counter@page{#2}%
2601           {\number\csname bidi@#2@count\endcsname}%
2602           {\noexpand\number\noexpand\bidi@page@count}%
2603         }%
2604       }%
2605       \@tempa
2606     \fi
2607   \begingroup\expandafter\expandafter\expandafter\endgroup
2608   \expandafter\ifx\csname bidi@#2@@\number\csname
2609     bidi@#2@count\endcsname\endcsname\relax
2610     \global\csname @bidi@reset@#2@reruntrue\endcsname
2611   \else
2612     \global\csname @bidi@reset@#2@rerunfalse\endcsname
2613     \expandafter\@tempcnta\csname bidi@#2@@\number
2614     \csname bidi@#2@count\endcsname\endcsname\relax
2615     \ifnum\@tempcnta=\csname
2616       bidi@previous@page@#2@count\endcsname
2617     \else
```



```

2618     \global\csname
2619     bidi@previous@page@@#2@count\endcsname\@tempcnta
2620     \global\csname c@#2\endcsname#1\relax
2621     \fi
2622     \fi
2623     }%
2624     \expandafter\@bidi@gappto\csname
2625     bidi@stepcounterhook@@#2\endcsname{%
2626     \csname bidi@reset@#2@perpage\endcsname
2627     }%
2628 }
2629 \def\@bidi@counter@page#1#2#3{\@bidi@namegdef{\bidi@#1@@#2}{#3}}
2630 \bidi@AtEndOutputPage{%
2631     \global\advance\@bidi@page@count\@ne
2632 }

```

21 File biditools.sty

```

2633 \NeedsTeXFormat{LaTeX2e}
2634 \ProvidesPackage{biditools}[2020-01-29 v1.10 Programming tools for bidi package]
2635 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\ \relax
2636     \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2637     \ifx\@tempa\@tempb \global\let#2#1%
2638     \else
2639         \edef\@tempb{\meaning#2}%
2640         \ifx\@tempa\@tempb
2641             \else
2642                 \latexerror{Unable to properly define \string#2; primitive
2643                 \noexpand#1no longer primitive}\@eha
2644             \fi
2645         \fi
2646     \endgroup}
2647 \newtoks\@bidi@envbody
2648 \newtoks\@bidi@emptytoks
2649 \def\@bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2650 \def\@bidi@collect@body#1{%
2651     \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2652     \edef\@bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2653     \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2654     \begingroup
2655     \expandafter\let\csname\@currenvir\endcsname\bidi@collect@@body
2656     \edef\@bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2657     \bidi@process@envbody
2658 }
2659 \def\@bidi@push@begins#1\begin#2{%
2660     \ifx\end#2\else b\expandafter\@bidi@push@begins\fi
2661 }
2662 \def\@bidi@collect@@body#1\end#2{%
2663     \edef\begin@bidi@stack{\@bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2664     \ifx\empty\begin@bidi@stack
2665         \endgroup
2666         \@checkend{#2}%
2667         \bidi@addto@envbody{#1}%
2668     \else
2669         \bidi@addto@envbody{#1\end{#2}}%
2670     \fi
2671     \bidi@process@envbody % A little tricky! Note the grouping

```



```

2672 }
2673 \long\def\bid@addto@long@envbody#1{\global\@bid@envbody\expandafter{\the\@bid@envbody#1}}
2674 \long\def\bid@collect@long@body#1{%
2675   \@bid@envbody{\expandafter#1\expandafter{\the\@bid@envbody}}}%
2676 \edef\bid@process@envbody{\the\@bid@envbody\noexpand\end{\@currenvir}}%
2677 \@bid@envbody\@bid@emptytoks \def\begin@bid@stack{b}%
2678 \begingroup
2679 \expandafter\let\csname\@currenvir\endcsname\bid@collect@long@@body
2680 \edef\bid@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2681 \bid@process@envbody
2682 }
2683 \long\def\bid@push@long@begins#1\begin#2{%
2684   \ifx\end#2else b\expandafter\bid@push@long@begins\fi
2685 }
2686 \long\def\bid@collect@long@@body#1\end#2{%
2687   \edef\begin@bid@stack{\bid@push@long@begins#1\begin\end \expandafter\@gobble\begin@bid@stack}%
2688   \ifx\@empty\begin@bid@stack
2689     \endgroup
2690     \@checkend{#2}%
2691     \bid@addto@long@envbody{#1}%
2692   \else
2693     \bid@addto@long@envbody{#1\end{#2}}%
2694   \fi
2695   \bid@process@envbody % A little tricky! Note the grouping
2696 }
2697 \long\def\bid@new@ifnextchar#1#2#3{%
2698   \let\reserved@d= #1%
2699   \def\reserved@a{#2}\def\reserved@b{#3}%
2700   \futurelet\@let@token\bid@new@ifnch
2701 }
2702 \def\bid@new@ifnch{%
2703   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2704   \reserved@b
2705 }
2706 \def\bid@matrix@check#1{%
2707   \expandafter\ifx\csname\@currenvir\endcsname#1%
2708   \else\bid@matrix@error#1%
2709   \expandafter\@gobble
2710   \fi
2711 }
2712 \def\bid@matrix@error#1{%
2713   \PackageError{biditools}{%
2714     Old form ``\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2715   }{%
2716     ``\string#1{...}' is old bidi package syntax whose use is
2717     ill-advised in the old versions of bidi package.%
2718   }%
2719 }
2720 \def\@tagsextension{clo}
2721 \def\@definitionfileextension{def}
2722 \def\@texfileextension{tex}
2723 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2724 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2725 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2726 \def\eqnewif#1#2{%
2727   \count@\escapechar \escapechar\m@ne
2728   \let#1\iffalse

```



```

2729 \let#2\iffalse
2730 \eq@if#1#2\iftrue
2731 \eq@if#1#2\iffalse
2732 \escapechar\count@}
2733 \def\eq@if#1#2#3{%
2734 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2735 \expandafter\@gobbletwo\string#3\endcsname
2736 {\let#1#3%
2737 \let#2#3}%
2738 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2739 \expandafter\@gobbletwo\string#3\endcsname
2740 {\let#2#3%
2741 \let#1#3}}
2742 \newcommand*\SetBoolean}[2]{%
2743 \lowercase{\def\@tempa{#2}}%
2744 \@ifundefined{@tempa\@tempa}%
2745 {\PackageError{biditools}%
2746 {You can only set a boolean to `true' or `false'}\@ehc}%
2747 {\@ifundefined{#1\@tempa}%
2748 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2749 {\csname#1\@tempa\endcsname}}}
2750 \newcommand*\GlobalSetBoolean}[2]{%
2751 \lowercase{\def\@tempa{#2}}%
2752 \@ifundefined{@tempa\@tempa}%
2753 {\PackageError{biditools}%
2754 {You can only set a boolean to `true' or `false'}\@ehc}%
2755 {\@ifundefined{#1\@tempa}%
2756 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2757 {\global\csname#1\@tempa\endcsname}}}
2758 \newcommand*\SetatBoolean}[2]{%
2759 \lowercase{\def\@tempa{#2}}%
2760 \@ifundefined{@tempa\@tempa}%
2761 {\PackageError{biditools}%
2762 {You can only set a boolean to `true' or `false'}\@ehc}%
2763 {\@ifundefined{@#1\@tempa}%
2764 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2765 {\csname @#1\@tempa\endcsname}}}
2766 \newcommand*\GlobalSetatBoolean}[2]{%
2767 \lowercase{\def\@tempa{#2}}%
2768 \@ifundefined{@tempa\@tempa}%
2769 {\PackageError{biditools}%
2770 {You can only set a boolean to `true' or `false'}\@ehc}%
2771 {\@ifundefined{@#1\@tempa}%
2772 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2773 {\global\csname @#1\@tempa\endcsname}}}
2774 \def\@bidi@removefromreset#1#2{%
2775 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2776 \def\@elt##1{%
2777 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2778 \else
2779 \noexpand\@elt{##1}%
2780 \fi}%
2781 \expandafter\xdef\csname cl@#2\endcsname{%
2782 \csname cl@#2\endcsname}}
2783 \newcommand*\ifRtoL{%
2784 \if@RTL
2785 \expandafter\@firstoftwo

```



```

2786 \else
2787 \expandafter\@secondoftwo
2788 \fi}
2789 \newcommand*\ifLtoR}{%
2790 \if@RTL
2791 \expandafter\@secondoftwo
2792 \else
2793 \expandafter\@firstoftwo
2794 \fi}
2795 \newcommand*\ifRtoLtable}{%
2796 \if@RTLtab
2797 \expandafter\@firstoftwo
2798 \else
2799 \expandafter\@secondoftwo
2800 \fi}
2801 \newcommand*\ifLtoRtable}{%
2802 \if@RTLtab
2803 \expandafter\@secondoftwo
2804 \else
2805 \expandafter\@firstoftwo
2806 \fi}
2807 \newcommand*\ifRtoLhboxconstruct}{%
2808 \if@hboxRconstruct
2809 \expandafter\@firstoftwo
2810 \else
2811 \expandafter\@secondoftwo
2812 \fi}
2813 \newcommand*\ifLtoRhboxconstruct}{%
2814 \if@hboxRconstruct
2815 \expandafter\@secondoftwo
2816 \else
2817 \expandafter\@firstoftwo
2818 \fi}
2819 \newcommand*\iflatin}{%
2820 \if@nonlatin
2821 \expandafter\@secondoftwo
2822 \else
2823 \expandafter\@firstoftwo
2824 \fi}
2825 \newcommand*\ifnonlatin}{%
2826 \if@nonlatin
2827 \expandafter\@firstoftwo
2828 \else
2829 \expandafter\@secondoftwo
2830 \fi}
2831
2832 \newcommand*\bidi@convert@dimen@t@unit}[2]{%
2833 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2834
2835 \newcommand*\bidi@convert@dimen@t@pt}[1]{%
2836 \dimexpr #1*65536/\dimexpr 1pt\relax}
2837
2838 \newcommand*\if@bidi@csdef}[1]{%
2839 \ifcsname#1\endcsname
2840 \expandafter\@firstoftwo
2841 \else
2842 \expandafter\@secondoftwo

```



```

2843 \fi}
2844 \newcommand*{\if@bidi@csundef}[1]{%
2845 \ifcsname#1\endcsname
2846 \expandafter\ifx\csname#1\endcsname\relax
2847 \expandafter\expandafter
2848 \expandafter\@firstoftwo
2849 \else
2850 \expandafter\expandafter
2851 \expandafter\@secondoftwo
2852 \fi
2853 \else
2854 \expandafter\@firstoftwo
2855 \fi}
2856 \newcommand{\if@bidi@def}[1]{%
2857 \ifdefined#1%
2858 \expandafter\@firstoftwo
2859 \else
2860 \expandafter\@secondoftwo
2861 \fi}
2862 \newcommand{\if@bidi@undef}[1]{%
2863 \ifdefined#1%
2864 \ifx#1\relax
2865 \expandafter\expandafter
2866 \expandafter\@firstoftwo
2867 \else
2868 \expandafter\expandafter
2869 \expandafter\@secondoftwo
2870 \fi
2871 \else
2872 \expandafter\@firstoftwo
2873 \fi}
2874 \newcommand{\if@bidi@blank}[1]{% from url.sty
2875 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2876 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2877 \newcommand{\bidi@notblank}[1]{%
2878 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2879 \newcommand{\if@bidi@defmacro}{%
2880 \long\edef\if@bidi@defmacro#1{%
2881 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2882 \noexpand\meaning#1\detokenize{macro}:&}
2883 \edef\bidi@ifdefmacro{%
2884 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2885 \bidi@ifdefmacro{\bidi@notblank{#2}}
2886 \newcommand*{\if@bidi@csmacro}[1]{%
2887 \if@bidi@csdef{#1}
2888 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2889 {\@secondoftwo}}
2890 \newcommand{\if@bidi@defprimitive}[1]{%
2891 \ifprimitive#1%
2892 \expandafter\@firstoftwo
2893 \else
2894 \expandafter\@secondoftwo
2895 \fi}
2896 \newcommand{\if@bidi@csprimitive}[1]{%
2897 \begingroup\expandafter\expandafter\expandafter\endgroup%
2898 \expandafter\ifprimitive\csname#1\endcsname%
2899 \expandafter\@firstoftwo

```




```

2900 \else
2901 \expandafter\@secondoftwo
2902 \fi}
2903 \newcommand*\bidi@csdefcs}[2]{%
2904 \expandafter\@ifdefinable \csname#1\endcsname{%
2905 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2906 \newcommand*\bidi@csletcs}[2]{%
2907 \expandafter\@ifdefinable \csname#1\endcsname{%
2908 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2909 \newcommand*\bidi@cslet}[2]{%
2910 \expandafter\@ifdefinable \csname#1\endcsname{%
2911 \expandafter\let\csname#1\endcsname#2}}
2912 \newcommand*\bidi@namelongdef}[1]{%
2913 \long\expandafter\def\csname #1\endcsname{
2914 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2915 \def\bidi@ensure@new@command#1{%
2916 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}}\endgroup
2917 \expandafter\if@bidi@csundef\@gtempa
2918 {\new@command#1}{\relax%
2919 \let\@ifdefinable\@rc@ifdefinable%
2920 \new@command#1}}
2921 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2922
2923 \protected\def\bidi@error{\PackageError{bidi}}
2924 \protected\def\bidi@warning{\PackageWarning{bidi}}
2925 \protected\def\bidi@info{\PackageInfo{bidi}}
2926
2927
2928 \newcommand*\setbaselineskip}[1]{%
2929 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax\relax sp\relax}
2930 \selectfont
2931 }
2932
2933
2934 \newcommand*\bidi@newrobustcmd{}{}
2935 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2936
2937 \def\bidi@new@command#1{\@testopt\bidi@newcommand#1}0}
2938
2939 \def\bidi@newcommand#1[#2]{%
2940 \ifnextchar[%
2941 {\bidi@xargdef#1[#2]}
2942 {\ifx\l@ngrel@x\relax
2943 \let\l@ngrel@x\protected
2944 \else
2945 \protected\def\l@ngrel@x{\protected\long}%
2946 \fi
2947 \@argdef#1[#2]}}
2948
2949 \long\def\bidi@xargdef#1[#2][#3]#4{%
2950 \ifdefinable#1{%
2951 \expandafter\protected
2952 \expandafter\def
2953 \expandafter#1%
2954 \expandafter{%
2955 \expandafter\@testopt
2956 \csname\string#1\endcsname{#3}}}%

```



```

2957 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
2958
2959 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2960
2961 \def\bidi@renew@command#1{%
2962 \if@bidi@undef{#1}
2963 {\bidi@error{\string#1 undefined}\@ehc}
2964 }%
2965 \let\@ifdefinable\@rc@ifdefinable
2966 \bidi@new@command#1}
2967
2968
2969
2970 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2971
2972 \def\bidi@provide@command#1{%
2973 \if@bidi@undef{#1}
2974 {\def\reserved@a{\bidi@new@command#1}}
2975 {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2976 \reserved@a}
2977
2978 \newcommand*{\bidi@csuse}[1]{%
2979 \ifcsname#1\endcsname
2980 \csname#1\expandafter\endcsname
2981 \fi}
2982
2983 \newcommand{\bidi@expandonce}[1]{%
2984 \unexpanded\expandafter{#1}}
2985
2986 \def\bidi@protected{%
2987 \let\@protect\protect
2988 \let\protect\@unexpandable@protect
2989 \afterassignment\restore@protect}
2990
2991 \bidi@newrobustcmd{\bidi@appto}[2]{%
2992 \if@bidi@undef{#1}
2993 {\edef#1{\unexpanded{#2}}}
2994 {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2995 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2996 \if@bidi@undef{#1}
2997 {\edef#1{#2}}
2998 {\edef#1{\bidi@expandonce#1#2}}}
2999 \bidi@newrobustcmd{\bidi@gappto}[2]{%
3000 \if@bidi@undef{#1}
3001 {\xdef#1{\unexpanded{#2}}}
3002 {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3003 \bidi@newrobustcmd{\bidi@xappto}[2]{%
3004 \if@bidi@undef{#1}
3005 {\xdef#1{#2}}
3006 {\xdef#1{\bidi@expandonce#1#2}}}
3007
3008 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
3009 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
3010
3011
3012
3013 \bidi@newrobustcmd{\bidi@preto}[2]{%

```



```

3014 \if@bidi@undef{#1}
3015   {\edef#1{\unexpanded{#2}}}}
3016   {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
3017 \bidi@newrobustcmd{\bidi@epreto}[2]{%
3018   \if@bidi@undef{#1}
3019     {\edef#1{#2}}
3020     {\edef#1{#2\bidi@expandonce#1}}}}
3021 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
3022   \if@bidi@undef{#1}
3023     {\xdef#1{\unexpanded{#2}}}}
3024     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
3025 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
3026   \if@bidi@undef{#1}
3027     {\xdef#1{#2}}
3028     {\xdef#1{#2\bidi@expandonce#1}}}}
3029
3030 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
3031 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
3032
3033
3034
3035 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
3036 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
3037 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
3038 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
3039 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
3040 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
3041
3042
3043
3044 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
3045 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
3046 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
3047 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
3048 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
3049 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
3050
3051
3052
3053 \bidi@newrobustcmd{\if@bidi@patchable}{%
3054   \bidi@dbg@trce\if@bidi@patchable
3055   \begingroup
3056   \@makeother\#%
3057   \@ifstar\bidi@ifpatchablei\bidi@ifpatchable}
3058
3059 \long\def\bidi@ifpatchable#1#2{%
3060   \endgroup
3061   \bidi@dbg@init#1%
3062   \if@bidi@undef{#1}
3063     {\bidi@dbg@fail{def}\@secondoftwo}
3064     {\bidi@dbg@info{def}%
3065     \if@bidi@defmacro{#1}
3066       {\bidi@dbg@info{mac}%
3067       \bidi@ifscanable{#1}
3068       {\bidi@ifhashcheck{#2}
3069         {\bidi@dbg@info{tok}%
3070         \bidi@ifpattern#1{#2}

```



```

3071         {\bidi@dbg@info{pat}%
3072          \bidi@dbg@info{pos}\@firstoftwo}
3073         {\bidi@dbg@fail{pat}\@secondoftwo}}
3074         {\bidi@dbg@fail{hsh}\@secondoftwo}}
3075         {\bidi@dbg@fail{tok}\@secondoftwo}}
3076         {\bidi@dbg@fail{mac}\@secondoftwo}}}
3077
3078 \long\def\bidi@ifpatchable#1{%
3079   \endgroup
3080   \bidi@dbg@init#1%
3081   \if@bidi@undef{#1}
3082     {\bidi@dbg@fail{def}\@secondoftwo}
3083     {\bidi@dbg@info{def}%
3084      \if@bidi@defmacro{#1}
3085        {\bidi@dbg@info{mac}%
3086         \if@bidi@defparam{#1}
3087           {\bidi@dbg@info{prm}%
3088            \bidi@ifscanable{#1}
3089              {\bidi@dbg@info{tok}%
3090               \bidi@dbg@info{pos}\@firstoftwo}
3091               {\bidi@dbg@fail{tok}\@secondoftwo}}
3092              {\bidi@dbg@info{prl}%
3093               \if@bidi@defprotected{#1}
3094                 {\bidi@dbg@info{pro}}
3095                 {}%
3096               \bidi@dbg@info{pos}\@firstoftwo}}
3097              {\bidi@dbg@fail{mac}\@secondoftwo}}}
3098
3099 \bidi@newrobustcmd*{\bidi@patchcmd}{%
3100   \bidi@dbg@trce\bidi@patchcmd
3101   \begingroup
3102   \@makeother\%#%
3103   \bidi@@patchcmd}
3104
3105 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3106   \bidi@ifpatchable#2{#3}
3107   {\bidi@dbg@succ{ret}%
3108    \begingroup
3109    \edef\bidi@resrvda{%
3110      \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3111        #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
3112      \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
3113        ####1\detokenize{#4}####2}%
3114      \edef\noexpand\bidi@resrvda{%
3115        \noexpand\bidi@resrvda\meaning#2&}}%
3116    \bidi@resrvda
3117    \bidi@patchcmd@scantoks\bidi@resrvda
3118    \let#2\bidi@resrvda
3119    \bidi@undef\bidi@resrvda
3120    \@firstoftwo}
3121   {\@secondoftwo}}
3122
3123 \def\bidi@patchcmd@scantoks#1{%
3124   \edef\bidi@resrvda{\endgroup
3125     \unexpanded{\makeatletter\scantokens}{#1}%
3126     \catcode\number`\@=\the\catcode`\@\relax}%
3127   \bidi@resrvda}

```



```

3128
3129 \newcommand\bidisloaded[2][]{
3130   \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3131     \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3132     \fi
3133     \@ifpackageloaded{#2}
3134       {\csname @bidi@#2loaded@true\endcsname #1}
3135       {\csname @bidi@#2loaded@false\endcsname}}
3136
3137 \protected\def\bidifscanable#1{%
3138   \begingroup
3139   \edef\bidiresrvda{%
3140     \def\noexpand\bidiresrvda####1\detokenize{macro}:####2->####3&{%
3141       ####1\def\string\bidiresrvda####2{####3}}}%
3142     \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
3143   \bidiresrvda
3144   \makeatletter
3145   \scantokens\expandafter{\bidiresrvda}%
3146   \expandafter\endgroup\ifx#1\bidiresrvda
3147     \expandafter\@firstoftwo
3148   \else
3149     \expandafter\@secondoftwo
3150   \fi}
3151
3152
3153 \protected\long\def\bidifhashcheck#1{%
3154   \begingroup
3155   \edef\bidiresrvda{\detokenize{#1}}%
3156   \expandafter\endgroup
3157   \expandafter\bidifhashcheck@i\meaning\bidiresrvda&
3158
3159   \edef\bidifhashcheck@i#1&{%
3160     \noexpand\expandafter
3161     \noexpand\bidifhashcheck@ii
3162     \noexpand\strip@prefix#1\string#\string#&}
3163
3164   \edef\bidifhashcheck@ii{%
3165     \def\noexpand\bidifhashcheck@ii##1\string#\string###2&
3166     \bidifhashcheck@ii{\if@bidi@blank{#2}}
3167
3168
3169 \protected\long\def\bidifpattern#1#2{%
3170   \begingroup
3171   \edef\bidiresrvda{%
3172     \def\noexpand\bidiresrvda####1\detokenize{#2}####2&{%
3173       \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3174     \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda
3175       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3176     \noexpand\bidiresrvda}
3177   \bidiresrvda\@secondoftwo\@firstoftwo}
3178
3179
3180 \newcommand{\if@bidi@defparam}{-}
3181 \long\edef\if@bidi@defparam#1{%
3182   \noexpand\expandafter\noexpand\bidifdefparam
3183   \noexpand\meaning#1\detokenize{macro}:->&}
3184 \edef\bidifdefparam{%

```



```

3185 \def\noexpand\bididefparam##1\detokenize{macro}::##2->##3&
3186 \bididefparam{\bidinotblank{#2}}
3187
3188
3189 \newcommand{\if@bididefprotected}{%
3190 \long\edef\if@bididefprotected#1{%
3191 \noexpand\expandafter\noexpand\bididefprotected
3192 \noexpand\meaning#1\string\protected&}
3193 \edef\bididefprotected{%
3194 \def\noexpand\bididefprotected##1\string\protected##2&
3195 \bididefprotected{\bidinotblank{#2}}
3196
3197
3198 \bidinewrobustcmd{\bididef}[1]{\let#1\bididefundefined}
3199
3200 \let\bididebug@trce@gobble
3201 \let\bididebug@init@gobble
3202 \let\bididebug@info@gobble
3203 \let\bididebug@succ@gobble
3204 \let\bididebug@fail@gobble
3205
3206
3207
3208 \bidinewrobustcmd*{\bididefapptocmd}{%
3209 \bididebug@trce\bididefapptocmd
3210 \begingroup
3211 \@makeother\%
3212 \bididefhooktocmd\bididefappend}
3213
3214
3215
3216 \bidinewrobustcmd*{\bididefpretocmd}{%
3217 \bididebug@trce\bididefpretocmd
3218 \begingroup
3219 \@makeother\%
3220 \bididefhooktocmd\bididefprepend}
3221
3222 \long\def\bididefhooktocmd#1#2#3{%
3223 \endgroup
3224 \bididebug@init#2%
3225 \if@bididef{#2}
3226 {\bididebug@fail{def}\@secondoftwo}
3227 {\bididebug@info{def}%
3228 \if@bididefmacro{#2}
3229 {\bididebug@info{mac}%
3230 \if@bididefparam{#2}
3231 {\bididebug@info{prm}%
3232 \bididefifscanable{#2}
3233 {\bididefifhashcheck{#3}
3234 {\bididebug@info{tok}%
3235 \bididebug@succ{ret}%
3236 \bididefhooktocmd#1#2#3}%
3237 \@firstoftwo}
3238 {\bididebug@fail{hsh}\@secondoftwo}}
3239 {\bididebug@fail{tok}\@secondoftwo}}
3240 {\bididebug@info{prl}%
3241 \if@bididefprotected{#2}

```



```

3242         {\bidi@dbg@info{pro}}%
3243         \bidi@dbg@succ{red}}%
3244         \protected}
3245         {\bidi@dbg@succ{red}}}%
3246         \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3247         \@firstoftwo}}
3248         {\bidi@dbg@fail{mac}\@secondoftwo}}}}
3249
3250 \long\def\bidi@hooktocmd@i#1#2#3{%
3251   \begingroup
3252   \edef\bidi@resrvda{%
3253     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3{%
3254       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
3255     \edef\noexpand\bidi@resrvda{%
3256       \noexpand\bidi@resrvda\meaning#2&}}}%
3257   \bidi@resrvda
3258   \bidi@patchcmd@scantoks\bidi@resrvda
3259   \let#2\bidi@resrvda
3260   \bidi@undef\bidi@resrvda}
3261
3262 \long\def\bidi@append#1#2{#1#2}
3263 \long\def\bidi@prepend#1#2{#2#1}
3264
3265 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3266 \newcommand*{\bidi@endpreamblehook}{}
3267
3268 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipouthook}
3269 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3270
3271 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3272 \newcommand*{\bidi@beforeheaderhook}{}
3273
3274 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpagehook}
3275 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
3276
3277 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpagehook}
3278 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
3279
3280 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
3281 \newcommand*{\bidi@beforefooterhook}{}
3282
3283 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3284 \newcommand*{\bidi@afterfooterhook}{}
3285
3286
3287 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
3288 \newcommand*{\bidi@afteroutputpageshipouthook}{}
3289
3290 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3291 \newcommand*{\bidi@atendoutputpagehook}{}
3292
3293 \bidi@preto\document{%
3294   \endgroup
3295   \let\bidi@AtEndPreamble\@firstofone
3296   \bidi@endpreamblehook
3297   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3298   \bidi@undef\bidi@endpreamblehook

```



```

3299 \begingroup}
3300
3301 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3302 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3303
3304 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3305 \newcommand*{\bidi@afterendpreamblehook}{\}
3306
3307 \bidi@appto\document{%
3308 \let\bidi@AfterEndPreamble\@firstofone
3309 \bidi@afterendpreamblehook
3310 \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3311 \bidi@undef\bidi@afterendpreamblehook
3312 \ignorespaces}
3313
3314 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterendddocumentchecklabels}
3315 \newcommand*{\bidi@afterendddocumentchecklabelsrerunhook}{\}
3316
3317 \bidi@patchcmd\endddocument
3318 {\fi\endgroup}
3319 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
3320 \bidi@afterendddocumentchecklabelsrerunhook
3321 \fi\endgroup}
3322 {}
3323 {\PackageWarning{biditools}{Patching '\string\endddocument' failed}}
3324
3325 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3326
3327 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
3328 \newcommand*{\bidi@afterlastshipouthook}{\}
3329
3330 \bidi@patchcmd\endddocument
3331 {\clearpage}
3332 {\clearpage
3333 \let\bidi@AfterLastShipout\@firstofone
3334 \bidi@afterlastshipouthook}
3335 {}
3336 {\let\bidi@clearpage\clearpage
3337 \def\clearpage{%
3338 \bidi@clearpage
3339 \let\bidi@AfterLastShipout\@firstofone
3340 \bidi@afterlastshipouthook}}
3341
3342 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterendddocumenthook}
3343 \newcommand*{\bidi@afterendddocumenthook}{\}
3344
3345 \bidi@patchcmd\endddocument
3346 {\deadcycles}
3347 {\let\bidi@AfterEndDocument\@firstofone
3348 \bidi@afterendddocumenthook
3349 \deadcycles}
3350 {}
3351 {\let\bidi@@@end\@@end
3352 \def\@@@end{%
3353 \let\bidi@AfterEndDocument\@firstofone
3354 \bidi@afterendddocumenthook
3355 \bidi@@@end}}

```




```

3356
3357 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3358   \bidi@csgappto{@bidi@begin@#1@hook}}
3359
3360 % Patch \begin<space> and \end<space> in newer LaTeX releases
3361 % \begin and \end in older ones.
3362
3363 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
3364   {\csname #1\endcsname}
3365   {\bidi@csuse{@bidi@begin@#1@hook}}%
3366   \csname #1\endcsname}
3367 {}
3368 {\bidi@warning{%
3369   Patching '\string\begin' failed!\MessageBreak
3370   '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3371
3372
3373
3374 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3375   \bidi@csgappto{@bidi@end@#1@hook}}
3376
3377 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3378   {\csname end#1\endcsname}
3379   {\bidi@csuse{@bidi@end@#1@hook}}%
3380   \csname end#1\endcsname}
3381 {}
3382 {\bidi@warning{%
3383   Patching '\string\end' failed!\MessageBreak
3384   '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3385
3386
3387
3388 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3389   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3390
3391 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
3392   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3393 {}
3394 {\bidi@warning{%
3395   Patching '\string\begin' failed!\MessageBreak
3396   '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3397
3398
3399
3400 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3401   \bidi@csgappto{@bidi@afterend@#1@hook}}
3402
3403 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3404   {\if@ignore}
3405   {\bidi@csuse{@bidi@afterend@#1@hook}}%
3406   \if@ignore}
3407 {}
3408 {\bidi@warning{%
3409   Patching '\string\end' failed!\MessageBreak
3410   '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3411
3412 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}

```



```

3413 \def\bidinamegdef#1{\expandafter\gdef\csname #1\endcsname}
3414 \def\bidinameedef#1{\expandafter\edef\csname #1\endcsname}
3415 \def\bidinamexdef#1{\expandafter\xdef\csname #1\endcsname}
3416
3417 % From David Carlisle:
3418 % The \@stpelt redefinition below belongs to Heiko Oberdiek
3419 % See also https://github.com/ho-tex/oberdiek/issues/26
3420
3421 \let\@bidi@stepcounter\stepcounter
3422 \let\@bidi@@stpelt\@stpelt
3423
3424 \def\@stpelt#1{%
3425   \ifcsname bidi@reset@#1@perpage\endcsname
3426     \begingroup
3427       \let\stepcounter\@bidi@stepcounter
3428       \@bidi@@stpelt{#1}%
3429     \endgroup
3430     \expandafter\@gobbletwo
3431   \fi
3432   \@bidi@@stpelt{#1}%
3433 }
3434
3435 \bidi@pretocmd\stepcounter
3436   {%
3437     \if@bidi@csundef{bidi@stepcounterhook@@#1}{-}{%
3438       \csname bidi@stepcounterhook@@#1\endcsname
3439     }%
3440   }{}%
3441   {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
3442
3443 \chardef\@bidi@backslash`\\
3444 \def\@bidics#1{\texttt{\char\@bidi@backslash#1}}
3445
3446 % anonymous control sequences
3447 \newcount\@bidi@tempcountb
3448 \newtoks\@bidi@temptoksa
3449 \newtoks\@bidi@temptoksb
3450
3451 % Catcode (re)storing
3452 %
3453 \def\@bidi@storecatcode#1%
3454   {\escapechar\m@ne
3455     \bidi@csarg\edef{\@bidi@restorecatcode\string#1}%
3456     {\catcode`\string#1=
3457       \the\catcode\expandafter`\string#1}%
3458     \catcode\expandafter`\string#1=12\relax
3459     \escapechar`\\ \relax}
3460 \def\@bidi@restorecatcode#1%
3461   {\escapechar\m@ne
3462     \csname \@bidi@restorecatcode\string#1\endcsname
3463     \escapechar`\\ \relax}
3464
3465 % Construct a control sequence inside \edef
3466 %
3467 \def\@bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3468
3469 % Construct a control sequence out of #2, and give it to #1

```



```

3470 %
3471 \def\bidicsarg#1#2{\expandafter#1\csname#2\endcsname}
3472
3473 % Pick an escapecharacter
3474 % this presumes that its argument is a character.
3475 %
3476 \def\bidipickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3477
3478 % Equality of strings.
3479 % the fast approach: does not work in expansion-only environment.
3480 %
3481 \def\bidiequalstring#1#2{00\fi\def\bidieqs@a{#1}\def\bidieqs@b{#2}%
3482   \ifx\bidieqs@a\bidieqs@b}
3483
3484 % Test by expansion only
3485 %
3486 \def\bidiequalstringX#1#2{00\fi
3487   \csname if@bidiequalstringX#1&#2&$\endcsname}
3488 \def@bidiequalstringX#1#2$#3#4${\ifx#1#3%
3489   \ifx#1&true\else\bidihop@ES\@bidiequalstringX#2$#4$\fi
3490   \else false\fi}
3491 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
3492
3493 % Lexicographic ordering
3494 % note the use of \def
3495 % also note the characters 0,127,255 that are used,
3496 % these are not supposed to appear in the strings
3497 %
3498 {\catcode0=12 \catcode255=12 \catcode127=12
3499 \gdef\bidistringbeforeNC#1#2{00\fi
3500   \bidicharsbefore#1^^@^^?#2^^ff^^?}
3501 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
3502   \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
3503   \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
3504     \else\ifnum\lccode`#1<\lccode`#3
3505       \def\bidinext{\csname iftrue\endcsname}%
3506     \else\ifnum\lccode`#1>\lccode`#3
3507       \def\bidinext{\csname iffalse\endcsname}%
3508     \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3509   \fi \fi \fi \fi
3510   \bidinext}
3511 \gdef\bidistringbefore#1#2{00\fi
3512   \bidicharsbefore#1^^@^^?#2^^ff^^?}
3513 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
3514   \ifnum`#1<`#3
3515     \def\bidinext{\csname iftrue\endcsname}%
3516   \else\ifnum`#1>`#3
3517     \def\bidinext{\csname iffalse\endcsname}%
3518   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3519   \fi\fi
3520   \bidinext}
3521 }
3522
3523 % Null argument test
3524 %
3525 \def\bidiepty{}
3526 \def\bidiepty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidiepty@null}

```



```

3527 \def\bidiffEmptyX#1{\expandafter\ifx\csname bidi@#1>null\endcsname\bidiff@null}
3528 \def\bidiffEmpty#1{\def\bidiffcs@a{#1}\ifx\bidiffcs@a\bidiff@empty}
3529 \def\bidiffIsEmptyList#1{00\fi\def\bidiffcs@a{#1}\ifx\cs@a\bidiff@empty}
3530
3531 % Next character test
3532 %
3533 \def\bidiffNextChar#1#2#3{00\fi
3534   \let\bidiffnxt@ch#1\def\bidiffnxt@a{#2}\def\bidiffnxt@b{#3}%
3535   \futurelet\bidiffnxt@c\@bidiffifnxtc}
3536 \def\bidiffIfNextChar#1#2#3{%
3537   \let\bidiffnxt@ch#1\def\bidiffnxt@a{#2}\def\bidiffnxt@b{#3}%
3538   \futurelet\bidiffnxt@c\@bidiffifnxtc}
3539 \def\@bidiffifnxtc{\ifx\bidiffnxt@ch\bidiffnxt@c \expandafter\bidiffnxt@a
3540   \else \expandafter\bidiffnxt@b \fi}
3541
3542 % Test for defined-ness of string as control sequence.
3543 % works inside \edef
3544 %
3545 \def\bidiffUndefinedcs#1{00\fi\bidiffcsarg\ifx{#1}\relax}
3546
3547 % Define uniquely defined dummy macros,
3548 % usually to serve as bumper blocks at the end of a list
3549 %
3550 \newcount\bidiff@dummies
3551 \def\DefNewDummy#1{
3552   \if\bidiffUndefinedcs{#1}\bidiffcsarg\edef{#1}{\bidiff@dum\the\bidiff@dummies}
3553   \advance\bidiff@dummies\@ne
3554   \else
3555     \bidiff@error{Attempt at second definition of `#1'}
3556   \fi}
3557
3558 % string case statement
3559 % use: \bidiffswitch \iftest{...} in:
3560 %   item1 action1
3561 %   ...
3562 %   itemn actionn
3563 %   default defaultaction [optional]
3564 %   \endbidiffswitch
3565 % inspired by Jonathan Fine: Some Basic Control Macros
3566 % Tugboat 12 #4
3567 %
3568 \let\@bidiff@fi\fi \let\endbidiffswitch\relax \DefNewDummy{\bidiff@default}
3569 \def\bidiffswitch@exit #1 \@bidiff@fi #2 \endbidiffswitch {\fi #1}
3570 \def\bidiffswitch #1#2#3{\bidiffcsarg\ifx{#2}\bidiff@default\bidiffswitch@exit #3 \@bidiff@fi
3571   #1{#2}\bidiffswitch@exit #3 \@bidiff@fi
3572   \bidiffswitch {#1}
3573 }
3574 % this version puts the test object in {}
3575 \def\bidiffoswitch #1 in: #2 #3; {\bidiffcsarg\ifx{#2}\bidiff@default\bidiffswitch@exit #3 \@bidiff@fi
3576   #1{#2}\bidiffswitch@exit #3 \@bidiff@fi
3577   \bidiffswitch #1 in:
3578 }
3579 % this version assumes that the test object is just one character
3580 \def\bidiffcswitch #1 in: #2 #3; {\bidiffcsarg\ifx{#2}\bidiff@default\bidiffswitch@exit #3 \@bidiff@fi
3581   #1#2\bidiffswitch@exit #3 \@bidiff@fi
3582   \bidiffcswitch #1 in:
3583 }

```



```

3584 % this version assumes that the test object can have an optional space
3585 \def\bidibswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3586 #1#2 \bidi@switch@exit #3 \@bidi@fi
3587 \bidibswitch #1 in:
3588 }
3589 % this version can cope with significant spaces at the start of #3;
3590 % #2 is macro argument
3591 \def\bidimswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3592 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3593 \bidimswitch #1 in:
3594 }
3595 % idem; #2 does not have to be enclosed in braces
3596 \def\bidifswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3597 #1#2 \bidi@switch@exit #3 \@bidi@fi
3598 \bidifswitch #1 in:
3599 }
3600
3601 % Routines for taking the value of a string:
3602 % if the string is defined as control sequence
3603 % take the value of that, otherwise take the string itself
3604
3605 % String or value of control sequence
3606 %
3607 \def\bidib@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3608
3609 % String or control sequence
3610 %
3611 \def\@bidib@w@w#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3612
3613 % String or \noexpand-ed control sequence;
3614 % for use in \edef
3615 %
3616 \newif\ifbidib@in@label
3617 \def\@bidib@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3618 \ifbidib@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3619 \newtoks\bidi@are@these@correct
3620 \def\bidib@t@w@w#1{%
3621 \if\bidi@undefinedcs{#1}#1%
3622 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 }\fi
3623 \else
3624 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3625
3626 % List Manipulation .....
3627 % this assumes that #1 is a list of tokens, #2 is the name of a list
3628 %
3629 % Names of lists (and of items to pop into) are given as strings;
3630 % not as control sequences.
3631 %
3632 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
3633 % basic append/prepend macro
3634 \long\def\@bidib@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3635 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@lista}\en
3636 \long\def\@bidib@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3637 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista\the#1}\en
3638 \def\@bidib@append@to@list{\bidi@csarg\@bidib@append@to@cslist}
3639 \def\@bidib@prepend@to@list{\bidi@csarg\@bidib@prepend@to@cslist}
3640 % variations:

```



```

3641 \long\def\bidiprepend@to@list#1#2{\@bidiprepend@to@list{#1}{#2}}
3642 \long\def\bidiprepend@to@list#1#2{\@bidiprepend@to@list{#1}{#2}}
3643 \def\bidiprepend@to@list#1#2{\@bidiprepend@to@list{#1}{#2}}
3644 \@bidiprepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}}
3645 \def\bidiprepend@to@list#1#2{\@bidiprepend@to@list{#1}{#2}}
3646 \@bidiprepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}}
3647 \def\bidiprepend@csl@to@csl#1#2{\@bidiprepend@csl@to@csl{#1}{#2}}
3648 \@bidiprepend@csl@to@csl{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}}
3649 \def\bidiprepend@csl@to@csl#1#2{\@bidiprepend@csl@to@csl{#1}{#2}}
3650 \@bidiprepend@csl@to@csl{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}}
3651 \def\bidiprepend@toks@cs@to@list#1#2{\@bidiprepend@toks@cs@to@list{#1}{#2}}
3652 \def\bidiprepend@toks@cs@to@list#1#2{\@bidiprepend@toks@cs@to@list{#1}{#2}}
3653
3654 \let\bidibeenhskip\unhskip
3655
3656 % A few list macros for the user
3657 \def\NewTokenList:#1 {\bidicsarg\newtoks{#1}\global\csname#1\endcsname{}}
3658 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
3659 \long\def\AppendToTokenList:#1=#2 {\@bidiprepend@to@list{#1}{#2}}
3660 \long\def\PrependToTokenList:#1=#2 {\@bidiprepend@to@list{#1}{#2}}
3661 \def\TheTokenList:#1 {\let\bidibeenhskip\bidibeenhskip \let\bidibeenhskip\empty
3662 \if\bidibeenhskip{#1}\bidibeenhskip{Token List <#1> undefined}
3663 \else\bidibeenhskip{#1}\fi
3664 \let\bidibeenhskip\bidibeenhskip}
3665
3666 \def\bididel@tok@from@list#1#2{\begingroup
3667 \long\def\bidics@list#1#2#3\biditok@SM
3668 {\biditok@list{#1}\biditok@list{#2}}
3669 \edef\bidics@listb{\global\bidicsname{#1}=
3670 {\the\biditok@list{#1}\the\biditok@list{#2}}}
3671 \bidics@listb}%
3672 \edef\bidics@list{\noexpand\bidics@list{#1}\expandafter\the\csname#1\endcsname\noexpand\biditok@SM}
3673 \bidics@list \endgroup}
3674 \def\bidibeenhskip@of@list#1{\bidicsarg{\let\expandafter\bidics@list{#1}}
3675 \bidibeenhskip@of@csl@to@csl\bidics@list}
3676 \long\def\bidibeenhskip@of@csl#1#2{\begingroup\biditok@list{#2}%
3677 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditok@list \the#1}%
3678 \endgroup}
3679 \long\def\bidilocal@in@front@of@list#1#2{\biditok@list{#2}%
3680 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3681 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter\biditok@list \the#1}%
3682 \expandafter\the\csname#1\endcsname}%
3683 }
3684 \def\bidiset@list#1{\bidicsarg{\let\expandafter\bidics@list{#1}}
3685 \bidibeenhskip@csl@to@csl\bidics@list}
3686 \long\def\bidibeenhskip@csl#1#2{\begingroup\biditok@list{#2}%
3687 \global#1=\expandafter\the\biditok@list\endgroup}
3688
3689 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% Stack macros
3690 %
3691 % push in terms of prepending of lists
3692 \def\bidipush@cs@onto@csl#1#2{\@bidiprepend@to@csl#1\expandafter\expandafter\expandafter{\the#2}}
3693 \def\bidipush@onto#1{\bidicsarg\bidipush@onto@csl{#1}}
3694 \def\bidipush@onto@csl#1#2{\@bidiprepend@to@csl#1{\the#2}}
3695 \def\bidilocal@push@onto#1#2{\let\relax
3696 \bidilocal@in@front@of@list{#1}{\the#2}}
3697 % pop via auxiliary macro: #1 is result, #2 is stack

```



```

3698 % two cs arguments
3699 \def\bidipop@cs@into#1#2{\edef\bidics@e
3700   {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
3701 % two string arguments
3702 \def\bidipop@into#1#2{\edef\bidics@e
3703   {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}\bi
3704 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
3705 \def\bidicopy@stacktop#1#2{%
3706   \edef\bidics@e{\noexpand\@bidicopy@stacktop
3707     {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
3708   \bidics@e}
3709 \def\@bidicopy@stacktop#1\#2#3\@bidipop{csname#1\endcsname#2\relax}
3710 \newcount\bidistack@length \newtoks\bidie@empty@stack \bidie@empty@stack{\{\}}
3711 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
3712 \def\bidilength@of@csstack#1{\def\#1{\advance\bidistack@length\@ne}%
3713   \bidistack@length\@ne \the#1}
3714 % turn a stack upside down
3715 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
3716   \biditempcountb\z@ \biditemptoksa\bidie@empty@stack
3717   \loop\ifnum\biditempcountb<\bidistack@length
3718     \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\@ne
3719     \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3720   \bidie@append@cslist@to@cslist\biditemptoksb\biditemptoksa% append a to b
3721   \biditemptoksa\biditemptoksb
3722   \repeat% copy b to a
3723   #1\biditemptoksa \biditemptoksa\bidie@empty@toks}
3724 % invert a stack into a list
3725 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
3726   \biditempcountb\z@ \biditemptoksa\bidie@empty@toks
3727   \loop\ifnum\biditempcountb<\bidistack@length
3728     \bidipop@into\biditemptoksb{#1}\advance\bidistack@length\@ne
3729     \bidie@append@list@to@list\biditemptoksb\biditemptoksa\repeat
3730   \csname#1\endcsname\biditemptoksa \biditemptoksa\bidie@empty@toks}
3731
3732
3733 % General loop macro:
3734 % \looprepeat
3735 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3736 %   \untilcondition{<cond>} \whilecondition{<cond>}
3737 %   \doloopbody { <loop body> }
3738 % where all control sequences in between \looprepeat and \doloopbody are optional.
3739 %
3740 % var: characters to form a control sequence;
3741 %   after \forvariable{index} you can access the loop counter as \index.
3742 %   This is a count register; to print it use \number\index.
3743 % start,step,end: integers with obvious relations to the loop counter;
3744 %   start and step have a default value of 1
3745 % cond: (sequence of commands ending in) any TeX \if... test.
3746 %
3747 % Count down instead of up with \downtovalue; the increment given in \bystep
3748 % is always positive, and is added or subtracted accordingly.
3749 %
3750 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3751 % at the beginning of the loop body.
3752 %
3753 % Exit from middle of loop: \breaklooprepeat
3754 % use this at any place in the loop; in case of a conditional use

```



```

3755 % \ifsomething ... \expandafter \breaklooprepeat \fi
3756 %
3757 % Note that the line ends do not cause spaces in the output.
3758 %
3759 % Technical details:
3760 % The loop body is not executed in a group: the braces are those
3761 % of a token list.
3762 % The 'forvariable' variable is \let to a \count register.
3763
3764
3765
3766 % Auxiliary stuff
3767 \def\bidi@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3768 \def\bidi@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidi@looprepeat@depth\endcsname}
3769 \def\bidi@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidi@looprepeat@depth\endcsname}
3770
3771 \newcount\bidi@looprepeat@depth
3772 \let\endlooprepeat\relax \def\bidi@csprotect{}
3773 % Trace switches may later be defined by PAC_utils
3774 \let\bidi@looprepeat@traceinit\relax \let\bidi@looprepeat@traceexit\relax
3775
3776 % Main repeatloop macro
3777 % - go to next level and allocate unique counter/toks if this is the
3778 %   first time we visit this level
3779 % - setup: gather bounds and termination conditions
3780 % - scoop up body in token list; after the assignment define and
3781 %   execute body
3782 \def\looprepeat#1\do loopbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop
3783 \advance\bidi@looprepeat@depth\@ne\relax
3784 \bidi@looprepeat@csargromannumeral\ifx\bidi@looprepeat@count}\relax
3785 \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}\bidi@looprepeat@count}%
3786 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidi@looprepeat@toks}%
3787 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidi@looprepeat@wtest}%
3788 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidi@looprepeat@utest}%
3789 \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{}\def\bidi@looprepeat@comp{>}\bidi@looprepeat@set
3790 \edef\bidi@looprepeat@tmp
3791 {\def\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}{\bidi@looprepeat@csar
3792 \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks}}
3793
3794 % Define and execute loop body
3795 % This is done with an \edef to construct the actual sequence
3796 \def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef\bidi@looprepeat@body}{%
3797 \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
3798 \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@toks}%
3799 \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@utest}%
3800 \global\bidi@looprepeat@csargromannumeral\advance\bidi@looprepeat@count by \bidi@looprepeat@sign\b
3801 \noexpand\endlooprepeat
3802 \bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}}%
3803 \bidi@looprepeat@csromannumeral\bidi@looprepeat@body\ignorespaces}
3804
3805 % Stop test
3806 %% In order to stop, issue a
3807 % \breaklooprepeat which scoops up the rest of the body and exits
3808 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral\let\bidi@l
3809 \advance\bidi@looprepeat@depth\@m\@ne \bidi@looprepeat@traceexit
3810 }
3811

```




```

3812
3813 % Setup
3814 % gather bounds and termination conditions
3815 \def\bidi@looprepeat@setup#1{%
3816   \begingroup
3817     \def\forvariable##1{%
3818       \edef\bidi@looprepeat@tmp{%
3819         \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{\bidi@looprepeat@
3820         \bidi@looprepeat@tmp}%
3821       \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{\bidi@looprepeat@count}##1\ignorespaces}%
3822       \def\tovalue##1{%
3823         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@wtes
3824         {\bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}}%
3825         \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}\bidi@looprepe
3826         \noexpand\expandafter \noexpand\breaklooprepeat
3827         \noexpand\fi}\ignorespaces}%
3828         \bidi@looprepeat@tmp}%
3829       \def\downtovalue##1{%
3830         \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3831       \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}\@ehc%
3832         \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{-##1}\else
3833         \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{##1}\fi\ignorespaces}%
3834       \def\untilcondition##1{%
3835         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@utes
3836         {\noexpand##1\relax
3837         \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3838         \bidi@looprepeat@tmp}%
3839       \def\whilecondition##1{%
3840         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@wtes
3841         {\noexpand##1\relax \noexpand\else
3842         \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3843         \bidi@looprepeat@tmp}%
3844         \fromvalue{\@ne}\bystep{\@ne}#1%
3845       \endgroup}
3846 \def\bidi@looprepeat@zero
3847   {\bidi@looprepeat@csromannumeral{\bidi@looprepeat@toks}{-}\bidi@looprepeat@csromannumeral{\bidi@looprep
3848   \bidi@looprepeat@csargromannumeral\def{\bidi@looprepeat@body}{}}
3849
3850 %\tracingmacros2
3851 %\newcount\tmpcount % used in some examples below
3852
3853 %\looprepeat \forvariable{i}
3854 %   \bystep{2}
3855 %   \doloopbody {%
3856 %     \ifnum i=13 \expandafter\breaklooprepeat \fi
3857 %     \number i}%
3858 %}%
3859
3860 %\looprepeat \forvariable{iii}
3861 %   \tovalue{8}
3862 %   \doloopbody {}
3863 %After loop: \number iii%
3864
3865 %\looprepeat \forvariable{i}
3866 %   \fromvalue{10}
3867 %   \bystep{2}
3868 %   \downtovalue{0}

```



```

3869 % \doloopbody {\number\i{ } }
3870
3871 %\looprepeat \forvariable{x} \whilecondition{\ifnum\x<7}
3872 % \doloopbody {\number\x{ } }
3873
3874 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
3875
3876 %\looprepeat \forvariable{j}
3877 % \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3878 % \doloopbody {\number\j{ } }
3879
3880 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3881 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3882 % \doloopbody {(\number\i.\number\j) }
3883 % }
3884
3885 % infinite loop
3886 %\looprepeat \doloopbody {}
3887
3888 \renewcommand{\InputIfFileExists}[2]{%
3889 \begingroup\expandafter\expandafter\expandafter\endgroup
3890 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3891 \expandafter\@secondoftwo
3892 \else
3893 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3894 \expandafter\@firstoftwo
3895 \fi
3896 {%
3897 \expandafter\InputIfFileExists\expandafter{\csname
3898 #1-@bidi@alias\endcsname}{#2}%
3899 }%
3900 {\IfFileExists{#1}{%
3901 \bidi@load@hook{before}{#1}%
3902 #2\@addtofilelist{#1}%
3903 \@input \@filef@und
3904 \bidi@load@hook{after}{#1}%
3905 }}%
3906 }
3907
3908 \newcommand*{\bidi@loadwithoptions}{%
3909 \newcommand*{\bidi@loadwithoptions}{%
3910 \let\bidi@loadwithoptions\@loadwithoptions
3911
3912 \renewcommand*{\@loadwithoptions}[3]{%
3913 \begingroup\expandafter\expandafter\expandafter\endgroup
3914 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3915 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3916 \else
3917 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3918 \def\bidi@loadwithoptions{%
3919 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3920 }%
3921 \fi
3922 \bidi@loadwithoptions
3923 }
3924
3925 \newcommand*{\bidi@onefilewithoptions}{%

```



```

3926 \let\bidionefilewithoptions\@onefilewithoptions
3927 \def\@onefilewithoptions#1[#2][#3]#4{%
3928   \begingroup\expandafter\expandafter\expandafter\endgroup
3929   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3930     \def\bidionefilewithoptions{\bidionefilewithoptions{#1}}%
3931   \else
3932     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3933     \edef\bidionefilewithoptions{%
3934       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3935   \fi
3936   \bidi@onefilewithoptions[#{2}][#{3}]{#4}%
3937   \bidi@load@hook{lateafter}{#1.#4}%
3938 }
3939
3940 \newcommand*{\bidi@ReplaceInput}[2]{%
3941   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3942 }
3943
3944 \newcommand*{\bidi@UnReplaceInput}[1]{%
3945   \ifcsname #1-@bidi@alias\endcsname
3946     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3947   \fi
3948 }
3949
3950 \newcommand*{\@bidi@replacefilewithtext}[3]{%
3951   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3952 }
3953 \newcommand*{\bidi@ReplacePackage}[2]{%
3954   \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3955 }
3956 \newcommand*{\bidi@ReplaceClass}[2]{%
3957   \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3958 }
3959 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3960   \ifcsname #1.#2-@bidi@aliasname\endcsname
3961     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3962   \fi
3963 }
3964 \newcommand*{\bidi@UnReplacePackage}[1]{%
3965   \@bidi@unreplacefilewithtext{#1}\@pkgextension
3966 }
3967 \newcommand*{\bidi@UnReplaceClass}[1]{%
3968   \@bidi@unreplacefilewithtext{#1}\@clsextension
3969 }
3970 \newcommand*{\bidi@replacefile@msg}[2]{%
3971   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3972 }
3973
3974 \newcommand*{\bidi@load@hook}[2]{%
3975   \ifundefined{#2-@#1}{-}%
3976   \@nameuse{#2-@#1}%
3977   \expandafter\let\csname #2-@#1\endcsname=\relax}}
3978 \newcommand*{\bidi@set@load@hook}[2]{%
3979   \ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
3980   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3981 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3982 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}

```



```

3983 \newcommand*{\bidi@BeforeClass}[1]{%
3984   \bidi@set@load@hook{before}{#1.\@clsextension}}
3985 \newcommand*{\bidi@AfterClass}{%
3986   \ifstar {\@s@bidi@AfterClass}{%
3987     \ifnextchar +\@@bidi@AfterClass{%
3988       \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3989     }%
3990   }%
3991 }
3992
3993 \newcommand*{\@@@bidi@AfterClass}[2]{%
3994   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3995     \aftergroup\@s@bidi@AfterClass
3996   \else
3997     \aftergroup\bidi@AfterAtEndOfClass
3998   \fi
3999   \endgroup{#2}%
4000 }
4001
4002 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
4003   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
4004 \newcommand*{\@@@bidi@AfterClass}[2]{%
4005   \begingroup
4006     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
4007       \aftergroup\@s@bidi@AfterClass
4008     \else
4009       \aftergroup\@bidi@AfterClass
4010     \fi
4011     \endgroup{#2}%
4012 }
4013
4014 \newcommand*{\@bidi@AfterClass}[1]{%
4015   \bidi@set@load@hook{after}{#1.\@clsextension}}
4016 \newcommand*{\@s@bidi@AfterClass}[1]{%
4017   \begingroup
4018     \ifclassloaded{#1}{%
4019       \aftergroup\@secondoftwo
4020     }{%
4021       \aftergroup\@bidi@AfterClass
4022     }%
4023   \endgroup
4024   {#1}%
4025 }
4026
4027
4028 \newcommand*{\bidi@BeforePackage}[1]{%
4029   \bidi@set@load@hook{before}{#1.\@pkgextension}}
4030 \newcommand*{\bidi@AfterPackage}{%
4031   \ifstar {\@s@bidi@AfterPackage}{%
4032     \ifnextchar +\@@bidi@AfterPackage{%
4033       \ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
4034     }%
4035   }%
4036 }
4037 \newcommand*{\@@@bidi@AfterPackage}[2]{%
4038   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
4039     \aftergroup\@s@bidi@AfterPackage

```



```

4040 \else
4041 \aftergroup\@bidi@AfterAtEndOfPackage
4042 \fi
4043 \endgroup{#2}%
4044 }
4045 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
4046 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
4047 \newcommand*{\@bidi@AfterPackage}[2]{%
4048 \beginingroup
4049 \expandafter\ifx\csname #2.\@pkgextension-h\endcsname\relax
4050 \aftergroup\@s@bidi@AfterPackage
4051 \else
4052 \aftergroup\@bidi@AfterPackage
4053 \fi
4054 \endgroup{#2}%
4055 }
4056 \newcommand*{\@bidi@AfterPackage}[1]{%
4057 \bidi@set@load@hook{after}{#1.\@pkgextension}}
4058 \newcommand*{\@s@bidi@AfterPackage}[1]{%
4059 \beginingroup
4060 \@ifpackageloaded{#1}{%
4061 \aftergroup\@secondoftwo
4062 }{%
4063 \aftergroup\@bidi@AfterPackage
4064 }%
4065 \endgroup
4066 {#1}%
4067 }
4068
4069 \newcommand*{\@bidi@excludedpackages}{%
4070 \let\@bidi@excludedpackages\@empty
4071 \newcommand*{\@bidi@saved@RequirePackage}{%
4072 \newcommand*{\@bidi@PreventPackageFromLoading}{%
4073 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
4074 {\@bidi@PreventPackageFromLoading\PackageWarning}%
4075 }
4076 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
4077 \@ifnextchar [%]
4078 {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
4079 }
4080 \newcommand*{\@bidi@PreventPackageFromLoading}{%
4081
4082 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
4083 \edef\reserved@b{\zap@space#3 \@empty}%
4084 \ifx \reserved@b\@empty
4085 #1{\@bidi@tools}{%
4086 \string\@bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
4087 argument ignored%
4088 }%
4089 \else
4090 \ifx\@bidi@excludedpackages\@empty
4091 \let\@bidi@saved@RequirePackage\RequirePackage
4092 \let\RequirePackage\@bidi@RequirePackage
4093 \def\reserved@a#1##{%
4094 \@latex@error
4095 {\noexpand \usepackage before \string\documentclass}%
4096 {\noexpand \usepackage may only appear in the document

```



```

4097     preamble, i.e.,\MessageBreak
4098     between \noexpand\documentclass and
4099     \string\begin{document}.}%
4100     \@gobble}%
4101     \ifx\reserved@a\usepackage\else
4102     \ifx\usepackage\bidisaved@RequirePackage\else
4103     \PackageWarning{biditools}{%
4104         Maybe serious problem: unexpected definition of\MessageBreak
4105     \string\usepackage
4106     }%
4107     \fi
4108     \let\usepackage\RequirePackage
4109 \fi
4110 \fi
4111 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
4112 \reserved@b\do {%
4113     \ifx\reserved@a\@empty
4114     #1{biditools}{%
4115         empty package argument for
4116         \string\bidisaved@PreventPackageFromLoading\MessageBreak
4117         ignored%
4118     }%
4119     \else
4120     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
4121         #1{biditools}{%
4122             package '\reserved@a' already loaded.\MessageBreak
4123             Cannot prevent it from being loaded%
4124         }%
4125     }{%
4126         \edef\bidisaved@excludedpackages{\bidisaved@excludedpackages,%
4127             \reserved@a}%
4128         \if\relax\detokenize{#2}\relax\else
4129         \@ifundefined{bidisaved@exclude@package@\reserved@a @do}{%
4130             \@namedef{bidisaved@exclude@package@\reserved@a @do}{}%
4131         }{%
4132             \expandafter\def
4133             \csname bidisaved@exclude@package@\reserved@a
4134                 @do\expandafter\expandafter\expandafter\endcsname
4135             \expandafter\expandafter\expandafter{%
4136                 \csname bidisaved@exclude@package@\reserved@a @do\endcsname
4137                 #2%
4138             }%
4139         \fi
4140     }%
4141 \fi
4142 }%
4143 \ifx\bidisaved@excludedpackages\@empty
4144     \bidisaved@ResetPreventPackageFromLoading
4145 \fi
4146 \fi
4147 }
4148
4149 \onlypreamble\bidisaved@PreventPackageFromLoading
4150 \newcommand*{\bidisaved@ResetPreventPackageFromLoading}{%
4151     \let\bidisaved@excludedpackages\@empty
4152     \ifx\RequirePackage\bidisaved@RequirePackage
4153         \ifx\usepackage\RequirePackage

```



```

4154     \let\usepackage\bidisaved@RequirePackage
4155     \fi
4156     \let\RequirePackage\bidisaved@RequirePackage
4157     \fi
4158 }
4159 \onlypreamble\bidisaved@ResetPreventPackageFromLoading
4160 \newcommand*{\bidisaved@StorePreventPackageFromLoading}[1]{%
4161     \let#1\bidisaved@excludedpackages
4162 }
4163 \onlypreamble\bidisaved@StorePreventPackageFromLoading
4164 \newcommand*{\bidisaved@UnPreventPackageFromLoading}{%
4165     \ifstar {\@tempwatrue\bidisaved@UnPreventPackageFromLoading}%
4166             {\@tempwafalse\bidisaved@UnPreventPackageFromLoading}%
4167 }
4168
4169 \newcommand*{\bidisaved@UnPreventPackageFromLoading}[1]{%
4170     \edef\reserved@a{\zap@space#1 \@empty}%
4171     \if@tempwatrue
4172         \for\reserved@a:=\reserved@a\do {%
4173             \ifx\reserved@a\@empty \else
4174                 \ifcsname bidi@exclude@package@\reserved@a \do\endcsname
4175                     \expandafter\let
4176                     \csname bidi@exclude@package@\reserved@a \do\endcsname
4177                     \undefined
4178             \fi
4179         }%
4180     \fi
4181     \ifcsname bidi@excludedpackages\endcsname
4182         \let\reserved@a\bidisaved@excludedpackages
4183         \let\bidisaved@excludedpackages\@empty
4184         \expandafter\for\expandafter\reserved@c
4185         \expandafter:\expandafter=\reserved@a
4186         \do{%
4187             \ifx\reserved@c\@empty\else
4188                 \expandafter\in\in{\,\reserved@c,\,\reserved@a,\,%
4189                 \ifin@
4190                 \else
4191                     \edef\bidisaved@excludedpackages{%
4192                         \bidisaved@excludedpackages,\reserved@c
4193                     }%
4194                 \fi
4195             \fi
4196         }%
4197     \ifx\bidisaved@excludedpackages\@empty\bidisaved@ResetPreventPackageFromLoading\fi
4198 \fi
4199 }
4200 }
4201
4202
4203 \newcommand*{\bidisaved@RequirePackage}[2][]{%
4204     \let\reserved@c\@empty
4205     \let\reserved@d\@empty
4206     \edef\reserved@a{\zap@space#2 \@empty}%
4207     \expandafter\for\expandafter\reserved@c\expandafter:\expandafter=\reserved@a
4208     \do {%
4209         \begingroup
4210         \@tempwatrue

```



```

4211 \@for\reserved@a:=\bidi@excludedpackages\do {%
4212 \ifx\reserved@a\reserved@b
4213 \@tempwafalse
4214 \fi
4215 }%
4216 \if@tempswa
4217 \xdef\reserved@c{\reserved@c,\reserved@b}%
4218 \else
4219 \ifx\reserved@b\@empty\else
4220 \PackageInfo{biditools}{Excluding package `\'reserved@b\'MessageBreak
4221 from loading}%
4222 \@ifundefined{bidi@exclude@package@\'reserved@b @do}{%
4223 }{%
4224 \expandafter\g@addto@macro\expandafter\reserved@d
4225 \csname bidi@exclude@package@\'reserved@b @do\endcsname
4226 }%
4227 \fi
4228 \fi
4229 \endgroup
4230 }%
4231 \ifx\reserved@c\@empty
4232 \let\reserved@a\bidi@gobbleopt
4233 \else
4234 \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
4235 \expandafter\@gobble\reserved@c\@empty}}%
4236 \fi
4237 \expandafter\reserved@d
4238 \reserved@a
4239 }
4240
4241 \newcommand{\bidi@gobbleopt}[1][]{%
4242 \AtEndDocument{%
4243 \let\bidi@saved@checkend=\@checkend
4244 \renewcommand*{\@checkend}[1]{%
4245 \def\reserved@a{#1}\def\reserved@b{document}%
4246 \bidi@saved@checkend{#1}%
4247 \ifx\reserved@a\reserved@b
4248 \let\bidi@saved@clearpage=\clearpage
4249 \renewcommand*{\clearpage}{\bidi@saved@clearpage
4250 \bidi@hook@bcma
4251 \bidi@restore@newpage
4252 \let\clearpage=\bidi@saved@clearpage}%
4253 \fi%
4254 \let\bidi@saved@dofilelist\@dofilelist
4255 \def\@dofilelist{%
4256 \bidi@hook@acma
4257 \let\@dofilelist\bidi@saved@dofilelist
4258 \bidi@saved@dofilelist
4259 }%
4260 }%
4261 }
4262
4263
4264 \newcommand*{\bidi@saved@checkend}{%
4265 \newcommand*{\bidi@saved@dofilelist}{%
4266 \newcommand*{\bidi@redefine@newpage}{%
4267 \let\bidi@saved@newpage\newpage

```




```

4268 \def\bidi@restore@newpage{%
4269   \renewcommand*{\newpage}{%
4270     \PackageWarningNoLine{%
4271       biditools%
4272     }{%
4273       \string\newpage\space at main aux file!\MessageBreak
4274       You have output material at the main aux file.\MessageBreak
4275       Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
4276       are processed before the output from aux file%
4277     }%
4278     \let\newpage\bidi@saved@newpage
4279     \newpage
4280   }%
4281 }%
4282 \renewcommand*{\newpage}{%
4283   \PackageError{%
4284     biditools%
4285   }{%
4286     \string\newpage\space at \string\bidi@BeforeClosingMainAux
4287   }{%
4288     You should never use \string\newpage\space or
4289     \string\clear(double)page or other output material at the\MessageBreak
4290     argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
4291     If you'll continue, the \string\newpage\space will be ignored to
4292     avoid corruption of\MessageBreak
4293     every prior use of \string\bidi@BeforeClosingMainAux.
4294   }%
4295 }%
4296 }
4297
4298 \newcommand*{\bidi@restore@newpage}{}
4299 \newcommand*{\bidi@hook@bcma}{}
4300 \newcommand*{\bidi@hook@acma}{}
4301 \newcommand*{\bidi@BeforeClosingMainAux}{%
4302   \ifx\bidi@hook@bcma\@empty
4303     \gdef\bidi@hook@bcma{%
4304       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
4305       \let\protected@write\bidi@protected@immediate@write
4306       \bidi@redefine@newpage
4307     }%
4308   \fi
4309   \g@addto@macro\bidi@hook@bcma%
4310 }
4311
4312 \newcommand*{\bidi@AfterReadingMainAux}{%
4313   \ifx\bidi@hook@acma\@empty
4314     \gdef\bidi@hook@acma{%
4315       \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
4316       \let\protected@write\bidi@protected@immediate@write
4317     }%
4318   \fi
4319   \g@addto@macro\bidi@hook@acma%
4320 }
4321
4322 \long\def\bidi@protected@immediate@write#1#2#3{%
4323   \begingroup
4324   #2%

```



```

4325 \let\protect\@unexpandable@protect
4326 \edef\reserved@a{\immediate\write#1{#3}}%
4327 \reserved@a
4328 \endgroup
4329 \if@nobreak\ifvmode\nobreak\fi\fi
4330 }
4331
4332 \def\bidipatch@counter{0}%
4333 \if@bidi@csundef{numexpr}{%
4334 \def\bidipatch@stepcounter{%
4335 \begingroup
4336 \count@\bidipatch@counter\relax
4337 \advance\count@\@ne\relax
4338 \edef\x{\endgroup
4339 \noexpand\def\noexpand\bidipatch@counter{\the\count@}%
4340 }%
4341 \x
4342 }%
4343 }-%
4344 \def\bidipatch@stepcounter{%
4345 \edef\bidipatch@counter{%
4346 \the\numexpr\bidipatch@counter+\@ne\relax
4347 }%
4348 }%
4349 }
4350 \def\bidipatch@list{}
4351 \def\bidipatch@Add{%
4352 \bidipatch@list
4353 }
4354 \def\bidipatch@AfterPackage#1{%
4355 \ifpackageloaded{#1}{%
4356 \firstofone
4357 }-%
4358 \bidipatch@AfterPackage{#1}%
4359 }%
4360 }
4361 \def\@bidipatch@AfterPackage#1{%
4362 \edef\bidipatch@temp{#1}%
4363 \bidipatch@stepcounter
4364 \expandafter\bidipatch@@@AfterPackage
4365 \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4366 \bidipatch@temp
4367 }%
4368 }
4369 \def\bidipatch@@@AfterPackage#1#2#3{%
4370 \begingroup
4371 \toks@{#3}%
4372 \xdef\bidipatch@gtemp{%
4373 \noexpand\ifpackageloaded{#2}{%
4374 \noexpand\let\noexpand#1\noexpand\relax
4375 \the\toks@
4376 }-%
4377 }%
4378 \endgroup
4379 \let#1\bidipatch@gtemp
4380 \bidipatch@Add#1%
4381 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%

```



```

4382 }
4383
4384 \def\bidipatch@try#1#2#3{%
4385   \if@bidi@csundef{#1}{}%
4386   \csname #1\endcsname{#2}{#3}%
4387 }%
4388 }
4389
4390 \AtBeginDocument{\bidipatch@list}
4391
4392 \bidi@AtEndPreamble{\bidipatch@list}%
4393
4394 \bidi@AfterEndPreamble{%
4395   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
4396   \let\bidipatch@OrgIfPackageLater\ifpackagelater
4397   \let\bidipatch@OrgIfClassLoaded\ifclassloaded
4398   \let\bidipatch@OrgIfClassLater\ifclasslater
4399   \bidipatch@list
4400   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
4401   \let\@ifpackagelater\bidipatch@OrgIfPackageLater
4402   \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
4403   \let\@ifclasslater\bidipatch@OrgIfClassLater
4404 }%

```

22 File bidentuftefloat.sty

```

4405 \NeedsTeXFormat{LaTeX2e}
4406 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
4407 bidi implementation of tufte float]
4408 \RequirePackage{xifthen}
4409 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
4410 \newcommand{\bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
4411 \newcommand{\bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\bidentuftefloat
4412 \newcommand{\bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1@gobble}}
4413 \newboolean{\@bidentuftefloat@reversegeometry}
4414 \setboolean{\@bidentuftefloat@reversegeometry}{false}
4415 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
4416 \newboolean{\@bidentuftefloat@afourpaper}
4417 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@afourpaper}{true}}
4418 \newboolean{\@bidentuftefloat@bfivepaper}
4419 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@bfivepaper}{true}}
4420 \newboolean{\@bidentuftefloat@symmetric}
4421 \newboolean{\@bidentuftefloat@twoside}
4422 \DeclareOption{twoside}{%
4423   \@twosidefalse \mparswitchtrue%
4424   \setboolean{\@bidentuftefloat@twoside}{true}%
4425   \setboolean{\@bidentuftefloat@symmetric}{true}%
4426 }
4427 \DeclareOption{oneside}{%
4428   \@twosidefalse \mparswitchfalse%
4429   \setboolean{\@bidentuftefloat@twoside}{false}%
4430   \setboolean{\@bidentuftefloat@symmetric}{false}%
4431 }
4432 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4433 \newboolean{\@bidentuftefloat@debug}
4434 \newcommand*{\@bidentuftefloat@caption@justification}{\@bidentuftefloat@justification@autodetect}
4435 \ProcessOptions

```



```

4436 %% Globally sets the length
4437 \newcommand*\gsetlength[2]{%
4438   \setlength{#1}{#2}%
4439   \global#1=#1\relax%
4440 }
4441
4442 %% Set the font sizes and baselines to match bidentuftefloat's books
4443 \renewcommand\normalsize{%
4444   \@setfontsize\normalsize\@xpt{14}%
4445   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4446   \abovedisplayshortskip \z@ \@plus3\p@
4447   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4448   \belowdisplayskip \abovedisplayskip
4449   \let\@listi\@listI}
4450 \normalbaselineskip=14pt
4451 \normalsize
4452 \renewcommand\footnotesize{%
4453   \@setfontsize\footnotesize\@viipt{10}%
4454   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4455   \abovedisplayshortskip \z@ \@plus\p@
4456   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4457   \def\@listi{\leftmargin\leftmargini
4458     \topsep 3\p@ \@plus\p@ \@minus\p@
4459     \parsep 2\p@ \@plus\p@ \@minus\p@
4460     \itemsep \parsep}%
4461   \belowdisplayskip \abovedisplayskip
4462 }
4463 %% Paragraph indentation and separation for marginal text
4464 \newcommand{\@bidentuftefloat@margin@par}{%
4465   \setlength{\RaggedRightParindent}{0.5pc}%
4466   \setlength{\JustifyingParindent}{0.5pc}%
4467   \setlength{\parindent}{0.5pc}%
4468   \setlength{\parskip}{Opt}%
4469 }
4470 \RequirePackage{ragged2e}
4471 \ifthenelse{\boolean{@bidentuftefloat@reversegeometry}}{%
4472   \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparsep=2pc,marginpush=10pt]{geometry}
4473 }{\ifthenelse{\boolean{@bidentuftefloat@a4paper}}{
4474   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparsep=8.2mm,marginpush=10pt}}
4475 }{\ifthenelse{\boolean{@bidentuftefloat@b5paper}}{
4476   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginparsep=8.2mm,marginpush=10pt}}
4477 }{\ifthenelse{\boolean{@bidentuftefloat@a4paper}}{
4478   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparsep=8.2mm,marginpush=10pt}}
4479 }{\ifthenelse{\boolean{@bidentuftefloat@b5paper}}{
4480   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginparsep=8.2mm,marginpush=10pt}}
4481 }{\ifthenelse{\boolean{@bidentuftefloat@symmetric}}{
4482   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
4483 }{\setlength{\marginparsep}{10pt}}
4484 }
4485 %% Font for margin items
4486 \newcommand{\@bidentuftefloat@marginfont}{\normalfont\footnotesize}
4487 \newcommand*\@bidentuftefloat@captionfont{\@bidentuftefloat@marginfont}

```



```

4493 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bituftefloat@caption@font}{#1}}
4494 \newcommand{\@bituftefloat@justification}{\justifying}%
4495 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4496 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4497 \newboolean{\@bituftefloat@changepage}
4498 \IfFileExists{changepage.sty}{%
4499   \bituftefloatDebugInfoNL{Found changepage.sty}
4500   \RequirePackage[strict]{changepage}
4501   \setboolean{\@bituftefloat@changepage}{true}
4502 }{%
4503   \bituftefloatDebugInfoNL{Found chngpage.sty}
4504   \RequirePackage[strict]{chngpage}
4505   \setboolean{\@bituftefloat@changepage}{false}
4506 }
4507 \newboolean{\@bituftefloat@odd@page}
4508 \setboolean{\@bituftefloat@odd@page}{true}
4509 \newcommand*{\@bituftefloat@checkoddpag}{%
4510   \checkoddpag%
4511   \ifthenelse{\boolean{\@bituftefloat@changepage}}{%
4512     \ifoddpag%
4513       \setboolean{\@bituftefloat@odd@page}{true}%
4514     \else%
4515       \setboolean{\@bituftefloat@odd@page}{false}%
4516     \fi%
4517   }{%
4518     \ifcpoddpag%
4519       \setboolean{\@bituftefloat@odd@page}{true}%
4520     \else%
4521       \setboolean{\@bituftefloat@odd@page}{false}%
4522     \fi%
4523   }%
4524 }
4525 \newlength{\@bituftefloat@overhang}% used by the fullwidth environment and the running heads
4526 \newlength{\@bituftefloat@fullwidth}
4527 \newlength{\@bituftefloat@caption@fill}
4528 \newcommand{\bituftefloatRecalculate}{%
4529   \setlength{\@bituftefloat@overhang}{\marginparwidth}
4530   \addtolength{\@bituftefloat@overhang}{\marginparsep}
4531
4532   \setlength{\@bituftefloat@fullwidth}{\textwidth}
4533   \addtolength{\@bituftefloat@fullwidth}{\marginparsep}
4534   \addtolength{\@bituftefloat@fullwidth}{\marginparwidth}
4535
4536   \setlength{\@bituftefloat@caption@fill}{\textwidth}
4537   \addtolength{\@bituftefloat@caption@fill}{\marginparsep}
4538 }
4539 \AtBeginDocument{\bituftefloatRecalculate}
4540 \RequirePackage{optparams}% provides multiple optional arguments for commands
4541 \RequirePackage{placeins}
4542 \newsavebox{\@bituftefloat@margin@floatbox}
4543 \newenvironment{\@bituftefloat@margin@float}[2][-1.2ex]%
4544   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
4545   \begin{lrbox}{\@bituftefloat@margin@floatbox}%
4546   \begin{minipage}{\marginparwidth}%
4547     \@bituftefloat@caption@font%
4548     \def\capttype{#2}%
4549     \hbox{ }\vspace*{#1}%

```



```

4550 \@biditytfloat@caption@justification%
4551 \@biditytfloat@margin@par%
4552 \noindent%
4553 }
4554 {\end{minipage}%
4555 \end{lrbox}%
4556 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
4557 }
4558 \newenvironment{marginfigure}[1][-1.2ex]%
4559 {\begin{@biditytfloat@margin@float}[#1]{figure}}
4560 {\end{@biditytfloat@margin@float}}
4561 \newenvironment{margintable}[1][-1.2ex]%
4562 {\begin{@biditytfloat@margin@float}[#1]{table}}
4563 {\end{@biditytfloat@margin@float}}
4564 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4565
4566 \newcommand{\@biditytfloat@float@debug@info}{% contains debug info generated as the float is process
4567 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4568 \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}{%
4569 {\def\@biditytfloat@float@debug@info{#1}}%
4570 {\gaddto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4571 }
4572 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4573 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug{Forcing p
4574 \newboolean{@biditytfloat@float@recto}
4575 \newcommand{\forcerecto@float}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float
4576 \newcommand{\forceverso@float}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float
4577 \newsavebox{\@biditytfloat@figure@box}
4578 \newsavebox{\@biditytfloat@caption@box}
4579 \let\@biditytfloat@orig@float\@float
4580 \let\@biditytfloat@orig@endfloat\end@float
4581 \newlength{\@biditytfloat@caption@vertical@offset}
4582 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4583 \newcommand{\@biditytfloat@stored@shortcaption}{%
4584 \newcommand{\@biditytfloat@stored@caption}{%
4585 \newcommand{\@biditytfloat@stored@label}{%
4586 \long\def\@biditytfloat@caption{#1}[#2]#3{%
4587 \ifthenelse{isempty{#1}}{%
4588 {\gdef\@biditytfloat@stored@shortcaption{#3}}%
4589 {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4590 \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower captio
4591 \gdef\@biditytfloat@stored@caption{#3}%
4592 }
4593 \newcommand{\@biditytfloat@label}[1]{%
4594 \gdef\@biditytfloat@stored@label{#1}%
4595 }
4596 \newcommand{\@biditytfloat@fps}{%
4597 \newboolean{@biditytfloat@float@star}
4598 \newlength{\@biditytfloat@float@contents@width}
4599 \newenvironment{@biditytfloat@float}[3][htbp]%
4600 {% begin @biditytfloat@float
4601 % Should this float be full-width or just text-width?
4602 \ifthenelse{equal{#3}{star}}{%
4603 {\GlobalSetBoolean{@biditytfloat@float@star}{true}}%
4604 {\GlobalSetBoolean{@biditytfloat@float@star}{false}}%
4605 % Check page side (recto/verso) and store detected value -- can be overridden in environment content
4606 \@biditytfloat@checkoddpag%

```



```

4607 \ifthenelse{\boolean{@biditytfloat@odd@page}}%
4608   {\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Detected page:
4609   {\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Detected page:
4610   % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherwise
4611   \renewcommand{\@biditytfloat@fps}{#1}%
4612   \@biditytfloat@float@debug{Allowed positions: [#1]}%
4613   \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4614     {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bottom]}}%
4615     {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top]}}%
4616   % Capture the contents of the \caption and \label commands to use later
4617   \global\let\@biditytfloat@orig@caption\caption%
4618   \global\let\@biditytfloat@orig@label\label%
4619   \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
4620   \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4621   % Handle subfigure package compatibility
4622   \ifthenelse{\boolean{@biditytfloat@packages@subfigure}}{%
4623     \bidi@patchcmd{\subfigure}{%
4624       \let\subfig@oldlabel=\label
4625     }{%
4626       \let\subfig@oldlabel=\@biditytfloat@orig@label
4627     }
4628   }
4629   {}
4630   \let\subtable=\subfigure
4631   }{% subfigure package is not loaded
4632   \@biditytfloat@orig@float{#2}[#1]%
4633   \ifthenelse{\boolean{@biditytfloat@float@star}}%
4634     {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4635     {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4636   \begin{lrbox}{\@biditytfloat@figure@box}%
4637     \begin{minipage}[\floatalignment][\@biditytfloat@float@contents@width]\hbox{%
4638   }{% end \@biditytfloat@float
4639     \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}% align baseli
4640     \end{minipage}%
4641     \end{lrbox}%
4642   % build the caption box
4643   \begin{lrbox}{\@biditytfloat@caption@box}%
4644     \begin{minipage}[\floatalignment][\marginparwidth]\hbox{%
4645       \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}}{\@biditytfloat@orig@caption[\@bidi
4646       \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}}{\@biditytfloat@orig@label[\@bidityt
4647       \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4648     \end{minipage}%
4649     \end{lrbox}%
4650   % now typeset the stored boxes
4651   \begin{fullwidth}%
4652     \begin{minipage}[\floatalignment][\linewidth]%
4653       \ifthenelse{\boolean{@biditytfloat@float@star}}%
4654         {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfloat@
4655         {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfloat@
4656       \end{minipage}%
4657     \end{fullwidth}%
4658   \@biditytfloat@orig@endfloat% end original LaTeX float environment
4659   % output debug info
4660   \ifthenelse{\boolean{@biditytfloat@debug}}{%
4661     \typeout{^^J^^J----- biditytfloat package float information -----}%
4662     \ifthenelse{\equal{\@biditytfloat@stored@label}}{%
4663       {\typeout{Warning: Float unlabeled!}}%

```



```

4664         {\typeout{Float label: [\@bittuftefloat@stored@label]}}%
4665         \typeout{Page number: [\thepage]]}%
4666         \def\MessageBreak{^^J}%
4667         \typeout{\@bittuftefloat@float@debug@info}%
4668         \ifthenelse{\boolean{\@bittuftefloat@symmetric}}{%
4669             {\typeout{Symmetric: [true]}}%
4670             {\typeout{Symmetric: [false]}}%
4671         \typeout{-----^^J^^J}%
4672     }{}%
4673     % reset commands and temp boxes and captions
4674     \gdef\@bittuftefloat@float@debug@info{}%
4675     \let\caption\@bittuftefloat@orig@caption%
4676     \let\label\@bittuftefloat@orig@label%
4677     \begin{lrbox}{\@bittuftefloat@figure@box}\hbox{}\end{lrbox}%
4678     \begin{lrbox}{\@bittuftefloat@caption@box}\hbox{}\end{lrbox}%
4679     \gdef\@bittuftefloat@stored@shortcaption{}%
4680     \gdef\@bittuftefloat@stored@caption{}%
4681     \gdef\@bittuftefloat@stored@label{}%
4682     \gsetlength{\@bittuftefloat@caption@vertical@offset}{0pt}% reset caption offset
4683 }
4684 \newcommand{\@bittuftefloat@float@textwidth}[3][Opt]{%
4685     \ifthenelse{\NOT\boolean{\@bittuftefloat@symmetric}}\OR\boolean{\@bittuftefloat@float@recto}}{%
4686         % asymmetric or page is odd, so caption is on the right
4687         \hbox{%
4688             \usebox{#2}%
4689             \hspace{\marginparsep}%
4690             \smash{\raisebox{#1}{\usebox{#3}}}%
4691         }
4692         \@bittuftefloat@float@debug{Caption position: [right]]%
4693     }{% symmetric pages and page is even, so caption is on the left
4694         \hbox{%
4695             \smash{\raisebox{#1}{\usebox{#3}}}%
4696             \hspace{\marginparsep}%
4697             \usebox{#2}%
4698         }
4699         \@bittuftefloat@float@debug{Caption position: [left]]%
4700     }%
4701 }
4702 \newcommand{\@bittuftefloat@float@fullwidth}[3][Opt]{%
4703     \ifthenelse{equal{\floatalignment}{b}}{%
4704         {% place caption above figure
4705             \ifthenelse{\NOT\boolean{\@bittuftefloat@symmetric}}\OR\boolean{\@bittuftefloat@float@recto}}{%
4706                 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bittuftefloat@float@debug{Caption po
4707                 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bittuftefloat@float@debug{Caption po
4708             }{% place caption below figure
4709                 \ifthenelse{\NOT\boolean{\@bittuftefloat@symmetric}}\OR\boolean{\@bittuftefloat@float@recto}}{%
4710                     {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bittuftefloat@float@debug{Caption po
4711                     {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bittuftefloat@float@debug{Caption po
4712             }%
4713     }
4714 \renewenvironment{figure}[1][htbp]{
4715     {\ifvmode\else\unskip\fi\begin{\@bittuftefloat@float}[#1]{figure}}{}
4716     {\end{\@bittuftefloat@float}}
4717 \renewenvironment{table}[1][htbp]{
4718     {\ifvmode\else\unskip\fi\begin{\@bittuftefloat@float}[#1]{table}}{}
4719     {\end{\@bittuftefloat@float}}
4720 \renewenvironment{figure*}[1][htbp]{

```




```

4721 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4722 {\end{@biditytfloat@float}}
4723 \renewenvironment{table*}[1][htbp]%
4724 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4725 {\end{@biditytfloat@float}}
4726 \newenvironment{fullwidth}
4727 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4728 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-{\@biditytfloat@overhang}}%
4729 {\begin{adjustwidth}{-{\@biditytfloat@overhang}}}%
4730 }%
4731 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4732 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4733 {\end{adjustwidth}}}%
4734 }
4735 \long\def\@caption#1[#2]#3{%
4736 \par%
4737 \addcontentsline{\csname ext@#1\endcsname}{#1}%
4738 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4739 \begingroup%
4740 \@parboxrestore%
4741 \if@minipage%
4742 \@setminipage%
4743 \fi%
4744 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4745 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4746 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4747 \endgroup}
4748 %%
4749 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4750 \DeclareRobustCommand{\@biditytfloat@heading@newlinetospace}{%
4751 \ifstar{\@biditytfloat@heading@newlinetospace@i}{\@biditytfloat@heading@newlinetospace@i}%
4752 }
4753 \def\@biditytfloat@heading@newlinetospace@i{%
4754 \ifdim\lastskip>\z@ \else\space\fi
4755 \ignorespaces%
4756 }
4757 \DeclareRobustCommand{\newlinetospace}[1]{%
4758 \let\@biditytfloat@heading@orig@cr\\% save the original meaning of \\
4759 \def\\{\@biditytfloat@heading@newlinetospace}% turn \\ and \\* into \space
4760 \let\newline\\% turn \newline into \space
4761 #1%
4762 \let\\ \@biditytfloat@heading@orig@cr% revert to original meaning of \\
4763 }
4764 \RequirePackage{fancyhdr}
4765 \pagestyle{fancy}
4766 \AtBeginDocument{%
4767 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4768 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4769 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
4770 }
4771 % The running heads/feet don't have rules
4772 \renewcommand{\headrulewidth}{0pt}
4773 \renewcommand{\footrulewidth}{0pt}
4774 % The 'fancy' page style is the default style for all pages.
4775 \fancyhf{} % clear header and footer fields
4776 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4777 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%

```



```

4778 \fancyhead[R0]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4779 {\fancyhead[RE,R0]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4780 % The 'plain' page style is used on chapter opening pages.
4781 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4782 % bottom of pages -- the folios are unexpressed.
4783 \fancypagestyle{plain}{
4784 \fancyhf{} % clear header and footer fields
4785 % Uncomment the following five lines of code if you want the opening page
4786 % of the chapter to express the folio in the lower outside corner.
4787 % \ifthenelse{\boolean{@bidituftefloat@symmetric}}{
4788 % {\fancyfoot[LE,R0]{\thepage}}
4789 % {\fancyfoot[RE,R0]{\thepage}}
4790 }
4791 % The 'empty' page style suppresses all headers and footers.
4792 % It's used on title pages and 'intentionally blank' pages.
4793 \fancypagestyle{empty}{
4794 \fancyhf{} % clear header and footer fields
4795 }
4796 \def\morefloats{% provides a total of 52 floats
4797 \ifthenelse{\isundefined{\bx@S}}{%
4798 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4799 \newinsert\bx@S
4800 \newinsert\bx@T
4801 \newinsert\bx@U
4802 \newinsert\bx@V
4803 \newinsert\bx@W
4804 \newinsert\bx@X
4805 \newinsert\bx@Y
4806 \newinsert\bx@Z
4807 \newinsert\bx@a
4808 \newinsert\bx@b
4809 \newinsert\bx@c
4810 \newinsert\bx@d
4811 \newinsert\bx@e
4812 \newinsert\bx@f
4813 \newinsert\bx@g
4814 \newinsert\bx@h
4815 \newinsert\bx@i
4816 \newinsert\bx@j
4817 \newinsert\bx@k
4818 \newinsert\bx@l
4819 \newinsert\bx@m
4820 \newinsert\bx@n
4821 \newinsert\bx@o
4822 \newinsert\bx@p
4823 \newinsert\bx@q
4824 \newinsert\bx@r
4825 \newinsert\bx@s
4826 \newinsert\bx@t
4827 \newinsert\bx@u
4828 \newinsert\bx@v
4829 \newinsert\bx@w
4830 \newinsert\bx@x
4831 \newinsert\bx@y
4832 \newinsert\bx@z
4833 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4834 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J

```



```

4835 \elt\bx@K\elt\bx@L\elt\bx@M\elt\bx@N
4836 \elt\bx@O\elt\bx@P\elt\bx@Q\elt\bx@R
4837 \elt\bx@S\elt\bx@T\elt\bx@U\elt\bx@V
4838 \elt\bx@W\elt\bx@X\elt\bx@Y\elt\bx@Z
4839 \elt\bx@a\elt\bx@b\elt\bx@c\elt\bx@d\elt\bx@e
4840 \elt\bx@f\elt\bx@g\elt\bx@h\elt\bx@i\elt\bx@j
4841 \elt\bx@k\elt\bx@l\elt\bx@m\elt\bx@n
4842 \elt\bx@o\elt\bx@p\elt\bx@q\elt\bx@r
4843 \elt\bx@s\elt\bx@t\elt\bx@u\elt\bx@v
4844 \elt\bx@w\elt\bx@x\elt\bx@y\elt\bx@z}%
4845 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4846 \ifthenelse{\isundefined{\bx@AA}}{%
4847 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4848 \newinsert\bx@AA
4849 \newinsert\bx@BB
4850 \newinsert\bx@CC
4851 \newinsert\bx@DD
4852 \newinsert\bx@EE
4853 \newinsert\bx@FF
4854 \newinsert\bx@GG
4855 \newinsert\bx@HH
4856 \newinsert\bx@II
4857 \newinsert\bx@JJ
4858 \newinsert\bx@KK
4859 \newinsert\bx@LL
4860 \newinsert\bx@MM
4861 \newinsert\bx@NN
4862 \newinsert\bx@OO
4863 \newinsert\bx@PP
4864 \newinsert\bx@QQ
4865 \newinsert\bx@RR
4866 \newinsert\bx@SS
4867 \newinsert\bx@TT
4868 \newinsert\bx@UU
4869 \newinsert\bx@VV
4870 \newinsert\bx@WW
4871 \newinsert\bx@XX
4872 \newinsert\bx@YY
4873 \newinsert\bx@ZZ
4874 \gdef\@freelist{\elt\bx@A\elt\bx@B\elt\bx@C\elt\bx@D\elt\bx@E
4875 \elt\bx@F\elt\bx@G\elt\bx@H\elt\bx@I\elt\bx@J
4876 \elt\bx@K\elt\bx@L\elt\bx@M\elt\bx@N
4877 \elt\bx@O\elt\bx@P\elt\bx@Q\elt\bx@R
4878 \elt\bx@S\elt\bx@T\elt\bx@U\elt\bx@V
4879 \elt\bx@W\elt\bx@X\elt\bx@Y\elt\bx@Z
4880 \elt\bx@a\elt\bx@b\elt\bx@c\elt\bx@d\elt\bx@e
4881 \elt\bx@f\elt\bx@g\elt\bx@h\elt\bx@i\elt\bx@j
4882 \elt\bx@k\elt\bx@l\elt\bx@m\elt\bx@n
4883 \elt\bx@o\elt\bx@p\elt\bx@q\elt\bx@r
4884 \elt\bx@s\elt\bx@t\elt\bx@u\elt\bx@v
4885 \elt\bx@w\elt\bx@x\elt\bx@y\elt\bx@z
4886 \elt\bx@AA\elt\bx@BB\elt\bx@CC\elt\bx@DD\elt\bx@EE
4887 \elt\bx@FF\elt\bx@GG\elt\bx@HH\elt\bx@II\elt\bx@JJ
4888 \elt\bx@KK\elt\bx@LL\elt\bx@MM\elt\bx@NN
4889 \elt\bx@OO\elt\bx@PP\elt\bx@QQ\elt\bx@RR
4890 \elt\bx@SS\elt\bx@TT\elt\bx@UU\elt\bx@VV
4891 \elt\bx@WW\elt\bx@XX\elt\bx@YY\elt\bx@ZZ}%

```



```

4892 }{%
4893 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBreak bidityt
4894 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
4895 }%
4896 }%
4897 }
4898 \newboolean{@biditytfloat@packages@subfigure}
4899 \setboolean{@biditytfloat@packages@subfigure}{false}
4900 \AtBeginDocument{%
4901 \ifpackageloaded{subfigure}
4902 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4903 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4904 }
4905 \AtBeginDocument{%
4906 \ifpackageloaded{float}{%
4907 % Save the redefined float environment (instead of the LaTeX float environment)
4908 \let\biditytfloat@orig@float@float
4909 \let\biditytfloat@orig@endfloat@endfloat
4910
4911 % Define Tuftian float styles (with the caption in the margin)
4912 \newcommand{\floatc@biditytfloatplain}[2]{%
4913 \begin{lrbox}{\@biditytfloat@caption@box}%
4914 \begin{minipage}[floatalignment]{\marginparwidth}\hbox{%
4915 \biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4916 \end{minipage}%
4917 \end{lrbox}%
4918 \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4919 }
4920 \newcommand{\fs@biditytfloatplain}{%
4921 \def\@fs@cfont{\@biditytfloat@caption@font}%
4922 \let\@fs@capt\floatc@biditytfloatplain%
4923 \def\@fs@pre{}%
4924 \def\@fs@post{}%
4925 \def\@fs@mid{}%
4926 \let\@fs@iftopcapt\iftrue%
4927 }
4928 \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4929 \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4930 \newcommand{\floatc@biditytfloatruled}[2]{%
4931 {\@fs@cfont #1} #2\par%
4932 }
4933 \newcommand{\fs@biditytfloatruled}{%
4934 \def\@fs@cfont{\@biditytfloat@caption@font}%
4935 \let\@fs@capt\floatc@biditytfloatplain%
4936 \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4937 \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4938 \def\@fs@mid{}%
4939 \let\@fs@iftopcapt\iftrue%
4940 }
4941 \newcommand{\fs@biditytfloatboxed}{%
4942 \def\@fs@cfont{}%
4943 \let\@fs@capt\floatc@biditytfloatplain%
4944 \def\@fs@pre{%
4945 \setbox\@currbox\vbox{\hbadness10000
4946 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4947 \hrule \hbox to\hsize{\vrule\kern3pt
4948 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}

```



```

4949     }%
4950     \def\@fs@mid{\kern2pt}%
4951     \def\@fs@post{}%
4952     \let\@fs@iftopcapt\iftrue%
4953   }
4954 }{%
4955   % Nothing to do
4956 }
4957 }
4958 \AtBeginDocument{%
4959   \@ifpackageloaded{algorithm}{%
4960     % Set the float style to the Tufte version
4961     \ifthenelse{\equal{\ALG@floatstyle}{plain}}{OR\equal{\ALG@floatstyle}{ruled}}{OR\equal{\ALG@floatstyle}{bittu}}
4962     \bittuftfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to bittu}
4963     \floatstyle{bittuftfloat\ALG@floatstyle}%
4964     \restylefloat{algorithm}%
4965   }{}%
4966 }{%
4967   % Nothing to do
4968 }
4969 }
4970 \PassOptionsToPackage{caption=false}{subfig}

```

23 File bittuftesidenote.sty

```

4971 \NeedsTeXFormat{LaTeX2e}
4972 \ProvidesPackage{bittuftesidenote}[2017/08/09 v0.4]
4973 bidi implementation of tufte sidenote]
4974 \RequirePackage{xifthen}
4975 \RequirePackage{ragged2e}
4976 \RequirePackage{setspace}
4977 \RequirePackage{bittu}
4978 \def\bittuftesidenotemarginpar{%
4979   \ifhmode
4980     \@bsphack
4981     \@floatpenalty -\@Mii
4982   \else
4983     \@floatpenalty -\@Miii
4984   \fi
4985   \ifinner
4986     \@parmoderr
4987     \@floatpenalty \z@
4988   \else
4989     \@next\@currbox\@freelist{}{}%
4990     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4991     {\@floatpenalty\z@
4992       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4993   \fi
4994   \@ifnextchar [\@bittuftesidenotexmpar\@bittuftesidenoteympar}
4995 \long\def\@bittuftesidenotexmpar[#1]#2{%
4996   \@bittuftesidenotesavemarbox\@marbox{#1}%
4997   \@bittuftesidenotesavemarbox\@currbox{#2}%
4998   \@xympar}
4999 \long\def\@bittuftesidenoteympar#1{%
5000   \@bittuftesidenotesavemarbox\@marbox{#1}%
5001   \global\setbox\@currbox\copy\@marbox
5002   \@xympar}

```



```

5003 \long\def \@bidityftesidenotesavemarbox #1#2{%
5004   \global\setbox #1%
5005     \color@vbox
5006     \vtop{%
5007       \hsize\marginparwidth
5008       \@parboxrestore
5009       \@bidityftesidenotemarginparreset
5010       #2%
5011       \@minipagefalse
5012       \outer@nobreak
5013     }%
5014   \color@endbox
5015 }
5016 \def \@bidityftesidenotemarginparreset {%
5017   \reset@font
5018   \normalsize
5019   \@minipagetrue
5020   \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
5021 }
5022 \def\LTRbidityftesidenotemarginpar{%
5023   \ifhmode
5024     \@bsphack
5025     \@floatpenalty -\@Mii
5026   \else
5027     \@floatpenalty-\@Miii
5028   \fi
5029   \ifinner
5030     \@parmoderr
5031     \@floatpenalty\z@
5032   \else
5033     \@next\@currbox\@freelist{}\}%
5034     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5035     {\@floatpenalty\z@
5036     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5037   \fi
5038   \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
5039 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
5040   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5041   \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
5042   \@xympar}
5043 \long\def\@LTRbidityftesidenoteympar#1{%
5044   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5045   \global\setbox\@currbox\copy\@marbox
5046   \@xympar}
5047 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
5048   \global\setbox #1%
5049     \color@vbox
5050     \vtop{%
5051       \hsize\marginparwidth
5052       \@parboxrestore
5053       \@LTRbidityftesidenotemarginparreset
5054       #2%
5055       \@minipagefalse
5056       \outer@nobreak
5057     }%
5058   \color@endbox
5059 }

```



```

5060 \def \LTRbidityftesidenotemarginparreset {%
5061     \reset@font
5062     \normalsize
5063     \minipagetrue
5064     \everypar{\@minipagefalse\everypar{}\beginL}%
5065 }
5066 \def \RTLbidityftesidenotemarginpar{%
5067     \ifhmode
5068         \bsphack
5069         \@floatpenalty -\@Mii
5070     \else
5071         \@floatpenalty-\@Miii
5072     \fi
5073     \ifinner
5074         \@parmoderr
5075         \@floatpenalty\z@
5076     \else
5077         \@next\@currbox\@freelist{}\}%
5078         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5079         {\@floatpenalty\z@
5080         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
5081     \fi
5082     \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
5083 \long\def \@RTLbidityftesidenotexmpar[#1]#2{%
5084     \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5085     \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
5086     \@xympar}
5087 \long\def \@RTLbidityftesidenoteympar#1{%
5088     \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5089     \global\setbox\@currbox\copy\@marbox
5090     \@xympar}
5091 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
5092     \global\setbox #1%
5093         \color@vbox
5094         \vtop{%
5095             \hsize\marginparwidth
5096             \@parboxrestore
5097             \@RTLbidityftesidenotemarginparreset
5098             #2%
5099             \@minipagefalse
5100             \outer@nobreak
5101             }%
5102     \color@endbox
5103 }
5104 \def \@RTLbidityftesidenotemarginparreset {%
5105     \reset@font
5106     \normalsize
5107     \minipagetrue
5108     \everypar{\@minipagefalse\everypar{}\beginR}%
5109 }
5110 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
5111 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
5112 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
5113 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
5114 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
5115 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
5116 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}

```



```

5117 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
5118 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
5119 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
5120 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
5121 \newcommand*{\@bidityftesidenote@RLcitation@font}{\@bidityftesidenote@RTLmarginfont}
5122 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
5123 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
5124 \newcommand*{\setRTLsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLsidenote@font}{#1}}
5125 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
5126 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
5127 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
5128 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5129 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5130 \newcommand*{\setRLcitation@font}[1]{\renewcommand*{\@bidityftesidenote@RLcitation@font}{#1}}
5131 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
5132 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
5133 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
5134 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
5135 \newcommand{\@bidityftesidenote@margin@par}{%
5136   \setlength{\RaggedRightParindent}{0.5pc}%
5137   \setlength{\JustifyingParindent}{0.5pc}%
5138   \setlength{\parindent}{0.5pc}%
5139   \setlength{\parskip}{0pt}%
5140 }
5141 %%
5142 % Globally sets the length
5143 \ifundefined{gsetlength}{%
5144 \newcommand*{gsetlength}[2]{%
5145   \setlength{#1}{#2}%
5146   \global#1=#1\relax%
5147 }%
5148 }{}
5149
5150 %%
5151 % A function that removes leading and trailing spaces from the supplied macro.
5152 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
5153 % Executing \@bidityftesidenote@trim@spaces\xyzyz will result in the contents of \xyzyz
5154 % being trimmed of leading and trailing white space.
5155 \catcode\Q=3
5156 \def\@bidityftesidenote@trim@spaces#1{%
5157   % Use grouping to emulate a multi-token afterassignment queue
5158   \begingroup%
5159   % Put '\toks 0 {' into the afterassignment queue
5160   \aftergroup\toks\aftergroup\aftergroup%
5161   % Apply \trimb to the replacement text of #1, adding a leading
5162   % \noexpand to prevent brace stripping and to serve another purpose
5163   % later.
5164   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1\Q}%
5165   % Transfer the trimmed text back into #1.
5166   \edef#1{\the\toks0}%
5167 }
5168 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
5169 % clean up any leftover bizarre Qs, and trim a leading space. In
5170 % order for \trimc to work properly we need to put back a Q first.
5171 \def\@bidityftesidenote@trim@b#1\Q{\@bidityftesidenote@trim@c#1\Q}
5172 % Execute \vfuzz assignment to remove leading space; the \noexpand
5173 % will now prevent unwanted expansion of a macro or other expandable

```




```

5174 % token at the beginning of the trimmed text. The \endgroup will feed
5175 % in the \aftergroup tokens after the \vfuzz assignment is completed.
5176 \def\@bidityftesidenote@trim#c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
5177 \catcode`\Q=11
5178 %%
5179 % Citations should go in the margin as sidenotes
5180
5181 \RequirePackage{natbib}
5182 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environment
5183 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5184 \renewcommand\BR@b@bibitem[2] [] {%
5185   \ifthenelse{\isempty{#1}}{%
5186     {\BR@b@bibitem{#2}}%
5187     {\BR@b@bibitem{#1}{#2}}%
5188   \BR@c@bibitem{#2}}%
5189 }
5190 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
5191 %%
5192 % Normal \cite behavior
5193 \newcounter{@bidityftesidenote@num@bibkeys}%
5194 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
5195   % Snag the last bibentry in the list for later comparison
5196   \let\@temp@last@bibkey\@empty%
5197   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5198   \sidenote[] [#1]{%
5199     % Loop through all the bibentries, separating them with semicolons and spaces
5200     \normalsize\normalfont\@bidityftesidenote@citation@font%
5201     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5202     \@for\@temp@bibkeyx:=#2\do{%
5203       \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5204         {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
5205           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5206           \bibentry{\@temp@bibkeyx}}%
5207         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5208           \bibentry{\@temp@bibkeyx};\ }%
5209         \stepcounter{@bidityftesidenote@num@bibkeys}%
5210       }%
5211     }%
5212 }
5213 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2] [Opt]{%
5214   % Snag the last bibentry in the list for later comparison
5215   \let\@temp@last@bibkey\@empty%
5216   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5217   \LTRsidenote[] [#1]{%
5218     % Loop through all the bibentries, separating them with semicolons and spaces
5219     \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
5220     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5221     \@for\@temp@bibkeyx:=#2\do{%
5222       \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5223         {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
5224           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5225           \bibentry{\@temp@bibkeyx}}%
5226         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5227           \bibentry{\@temp@bibkeyx};\ }%
5228         \stepcounter{@bidityftesidenote@num@bibkeys}%
5229       }%
5230     }%

```



```

5231 }
5232 \newcommand{\@bidituftesidenote@normal@cite}[2][Opt]{%
5233 % Snag the last bibentry in the list for later comparison
5234 \let\@temp@last@bibkey\@empty%
5235 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5236 \RTLsidenote[] [#1]{%
5237 % Loop through all the bibentries, separating them with semicolons and spaces
5238 \normalsize\normalfont\@bidituftesidenote@citation@font%
5239 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
5240 \@for\@temp@bibkeyx:=#2\do{%
5241 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5242 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
5243 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5244 \bibentry{\@temp@bibkeyx}}%
5245 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5246 \bibentry{\@temp@bibkeyx};\ }%
5247 \stepcounter{@bidituftesidenote@num@bibkeys}%
5248 }%
5249 }%
5250 }
5251 %%
5252 % Macros for holding the list of cite keys until after the \sidenote
5253 \gdef\@bidituftesidenote@citations{}% list of cite keys
5254 \newcommand\@bidituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
5255 \ifx\@bidituftesidenote@citations\@empty\else
5256 \g@addto@macro\@bidituftesidenote@citations{,}% separate by commas
5257 \fi
5258 \g@addto@macro\@bidituftesidenote@citations{#1}
5259 }
5260 \newcommand{\@bidituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
5261 % Snag the last bibentry in the list for later comparison
5262 \let\@temp@last@bibkey\@empty%
5263 \@for\@temp@bibkey:=\@bidituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5264 \marginpar{%
5265 \hbox{}}\vspace*{#1}%
5266 \@bidituftesidenote@citation@font%
5267 \@bidituftesidenote@citation@justification%
5268 \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
5269 \vspace*{-1\baselineskip}%
5270 % Loop through all the bibentries, separating them with semicolons and spaces
5271 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
5272 \@for\@temp@bibkeyx:=\@bidituftesidenote@citations\do{%
5273 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5274 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
5275 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5276 \bibentry{\@temp@bibkeyx}}%
5277 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5278 \bibentry{\@temp@bibkeyx};\ }%
5279 \stepcounter{@bidituftesidenote@num@bibkeys}%
5280 }%
5281 }%
5282 }
5283 %%
5284 % \cite behavior when executed within a sidenote
5285 \newcommand{\@bidituftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5286 \newcommand{\@bidituftesidenote@infootnote@cite}[1]{%
5287 \@bidituftesidenote@add@citation{#1}

```



```

5288 }
5289 %%
5290 % Set the default \cite style. This is set and reset by the \sidenote command.
5291 \let\cite\@bidityftesidenote@normal@cite
5292 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
5293 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
5294 %%
5295 % Transform existing \footnotes into \sidenotes
5296 % Sidenote: ``Where God meant footnotes to go.'' ---bidityftesidenote
5297 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments for c
5298 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@justific
5299 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@justificat
5300 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5301 % sidenote's text block.
5302 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@f
5303 % Set the in-text footnote mark in the same typeface as the body text itself.
5304 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@thefn
5305 \providecommand*\@multiplefootnotemarker}{3sp}
5306 \providecommand*\@multfootsep}{,}
5307 \bidi@patch@AfterPackage{bidi}{\%
5308 \renewcommand{\@footnotemark}{\%
5309 \leavevmode\%
5310 \ifhmode\%
5311 \edef\@x@sf{\the\spacefactor}%
5312 \@bidityftesidenote@check@multiple@sidenotes\%
5313 \nobreak\%
5314 \fi\%
5315 \@makefnmark\%
5316 \ifhmode\spacefactor\@x@sf\fi\%
5317 \relax\%
5318 }%
5319 }
5320 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{\%
5321 \ifdim\lastkern=\@multiplefootnotemarker\relax\%
5322 \edef\@x@sf{\the\spacefactor}%
5323 \unkern\%
5324 \textsuperscript{\@multfootsep}%
5325 \spacefactor\@x@sf\relax\%
5326 \fi
5327 }
5328 \bidi@patch@AfterPackage{bidi}{\%
5329 \renewcommand\@footnotetext[2][Opt]{\%
5330 \bidityftesidenotemarginpar{\%
5331 \hbox{\vspace*{#1}}\%
5332 \def\baselinestretch {\setspace@singlespace}\%
5333 \reset@font\%
5334 \bidi@footnotetext@font\% \reset@font\footnotesize\%
5335 \@bidityftesidenote@margin@par\% use parindent and parskip settings for marginal text
5336 \vspace*{-1\baselineskip}\noindent\%
5337 \protected@edef\@currentlabel{\%
5338 \csname p@footnote\endcsname\@thefnmark\%
5339 }%
5340 \color@begingroup\%
5341 \@makefnmark\%
5342 \ignorespaces#2\%
5343 }%
5344 \color@endgroup\%

```



```

5345 }%
5346 }%
5347 \renewcommand\@LTRfootnotetext[2][0pt]{%
5348 \LTRbidityftesidenotemarginpar{%
5349 \hbox{ }\vspace*{#1}%
5350 \def\baselinestretch {\setspace@singlespace}%
5351 \reset@font%
5352 \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5353 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5354 \vspace*{-1\baselineskip}\noindent%
5355 \protected@edef\@currentlabel{%
5356 \csname p@footnote\endcsname\@thefnmark%
5357 }%
5358 \color@begingroup%
5359 \makefnintext{%
5360 \ignorespaces#2%
5361 }%
5362 \color@endgroup%
5363 }%
5364 }%
5365 \renewcommand\@RTLfootnotetext[2][0pt]{%
5366 \RTLbidityftesidenotemarginpar{%
5367 \hbox{ }\vspace*{#1}%
5368 \def\baselinestretch {\setspace@singlespace}%
5369 \reset@font%
5370 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5371 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5372 \vspace*{-1\baselineskip}\noindent%
5373 \protected@edef\@currentlabel{%
5374 \csname p@footnote\endcsname\@thefnmark%
5375 }%
5376 \color@begingroup%
5377 \makefnintext{%
5378 \ignorespaces#2%
5379 }%
5380 \color@endgroup%
5381 }%
5382 }%
5383 }
5384 %
5385 % Define \sidenote command. Can handle \cite.
5386 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5387 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5388 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5389 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5390 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5391 \gdef\@bidityftesidenote@citations{ }% clear out any old citations
5392 \ifthenelse{\NOT\isempty{#2}}{%
5393 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5394 }{%
5395 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5396 }%
5397 \ifthenelse{\isempty{#1}}{%
5398 % no specific footnote number provided
5399 \stepcounter\@mpfn%
5400 \protected@xdef\@thefnmark{\thempfn}%
5401 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%

```



```

5402 }{%
5403   % specific footnote number provided
5404   \begingroup%
5405     \csname c@\mpfn\endcsname #1\relax%
5406     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5407   \endgroup%
5408   \@footnotemark\@footnotetext[\@bituftesidenote@sidenote@vertical@offset]{#3}%
5409 }%
5410 \@bituftesidenote@print@citations%          print any citations
5411 \let\cite\@bituftesidenote@normal@cite%      go back to using normal in-text \cite command
5412 \let\LTRcite\@bituftesidenote@normal@cite%   go back to using normal in-text \LTRcite command
5413 \let\RTLcite\@bituftesidenote@normal@cite%   go back to using normal in-text \RTLcite command
5414 \unskip\ignorespaces%                       remove extra white space
5415 \kern-\multiplefootnotemark%               remove \kern left behind by sidenote
5416 \kern\multiplefootnotemark\relax% add new \kern here to replace the one we yanked
5417 }
5418 \long\def\@LTRbituftesidenote@sidenote[#1][#2]#3{%
5419   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
5420   \gdef\@bituftesidenote@citations{}%       clear out any old citations
5421   \ifthenelse{\NOT\isempty{#2}}{%
5422     \gsetlength{\@bituftesidenote@sidenote@vertical@offset}{#2}%
5423   }{%
5424     \gsetlength{\@bituftesidenote@sidenote@vertical@offset}{0pt}%
5425   }%
5426   \ifthenelse{\isempty{#1}}{%
5427     % no specific footnote number provided
5428     \stepcounter\mpfn%
5429     \protected@xdef\@thefnmark{\thempfn}%
5430     \@footnotemark\@LTRfootnotetext[\@bituftesidenote@sidenote@vertical@offset]{#3}%
5431   }{%
5432     % specific footnote number provided
5433     \begingroup%
5434       \csname c@\mpfn\endcsname #1\relax%
5435       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5436     \endgroup%
5437     \@footnotemark\@LTRfootnotetext[\@bituftesidenote@sidenote@vertical@offset]{#3}%
5438   }%
5439   \@bituftesidenote@print@citations%          print any citations
5440   \let\cite\@bituftesidenote@normal@cite%      go back to using normal in-text \cite command
5441   \let\LTRcite\@bituftesidenote@normal@cite%   go back to using normal in-text \LTRcite command
5442   \let\RTLcite\@bituftesidenote@normal@cite%   go back to using normal in-text \RTLcite command
5443   \unskip\ignorespaces%                       remove extra white space
5444   \kern-\multiplefootnotemark%               remove \kern left behind by sidenote
5445   \kern\multiplefootnotemark\relax% add new \kern here to replace the one we yanked
5446 }
5447 \long\def\@RTLbituftesidenote@sidenote[#1][#2]#3{%
5448   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
5449   \gdef\@bituftesidenote@citations{}%       clear out any old citations
5450   \ifthenelse{\NOT\isempty{#2}}{%
5451     \gsetlength{\@bituftesidenote@sidenote@vertical@offset}{#2}%
5452   }{%
5453     \gsetlength{\@bituftesidenote@sidenote@vertical@offset}{0pt}%
5454   }%
5455   \ifthenelse{\isempty{#1}}{%
5456     % no specific footnote number provided
5457     \stepcounter\mpfn%
5458     \protected@xdef\@thefnmark{\thempfn}%

```



```

5459 \footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
5460 }{%
5461 % specific footnote number provided
5462 \begingroup%
5463 \csname c@\@mpfn\endcsname #1\relax%
5464 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5465 \endgroup%
5466 \footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
5467 }%
5468 \@bidituftesidenote@print@citations% print any citations
5469 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
5470 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite command
5471 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite command
5472 \unskip\ignorespaces% remove extra white space
5473 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5474 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5475 }
5476 \newcommand{\sidenote}{\@optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
5477 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
5478 \newcommand{\RTLsidenote}{\@optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
5479 \bidi@patch@AfterPackage{bidi}{%
5480 \renewcommand{\footnote}{\@optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
5481 \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
5482 \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%
5483 }
5484 %%
5485 % Sidenote without the footnote mark
5486 \newcommand\marginnote[2] [Opt]{%
5487 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
5488 \gdef\@bidituftesidenote@citations{}% clear out any old citations
5489 \bidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@marginnote@font\@bidituftesidenote@
5490 \@bidituftesidenote@print@citations% print any citations
5491 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
5492 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite command
5493 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite command
5494 }
5495 \newcommand\LTRmarginnote[2] [Opt]{%
5496 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
5497 \gdef\@bidituftesidenote@citations{}% clear out any old citations
5498 \LTRbidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@LTRmarginnote@font\@bidituftesidenote@
5499 \@bidituftesidenote@print@citations% print any citations
5500 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
5501 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite command
5502 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite command
5503 }
5504 \newcommand\RTLmarginnote[2] [Opt]{%
5505 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
5506 \gdef\@bidituftesidenote@citations{}% clear out any old citations
5507 \RTLbidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@RTLmarginnote@font\@bidituftesidenote@
5508 \@bidituftesidenote@print@citations% print any citations
5509 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
5510 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite command
5511 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite command
5512 }

```

24 File bidituftetoc.sty



```

5513 \NeedsTeXFormat{LaTeX2e}
5514 \ProvidesPackage{bidituftetoc}[2011/06/17 v0.1
5515 bidi implementation of tufte toc]
5516 \RequirePackage{titlesec,titletoc,xifthen,biditools}
5517 \newcommand{\@bidituftetoc@pkgname}{bidituftetoc}
5518 \newcommand{\bidituftetocError}[2]{\PackageError{\@bidituftetoc@pkgname}{#1}{#2}}
5519 %%
5520 % Turn off section numbering
5521 \setcounter{secnumdepth}{-1}
5522 \newboolean{@bidituftetoc@toc}
5523 \setboolean{@bidituftetoc@toc}{true}
5524 \DeclareOption{notoc}{\setboolean{@bidituftetoc@toc}{false}}
5525 \DeclareOption{toc}{\setboolean{@bidituftetoc@toc}{true}}
5526 \ProcessOptions
5527 %%
5528 % Make Tuftean-style section headings and TOC formatting
5529 \bidi@patch@AfterPackage{bidi}{%
5530 \titleformat{\chapter}%
5531 [display]% shape
5532 {\relax\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\begin{fullwidth}}{}}% format applied to
5533 {\itshape\huge\thechapter}% label
5534 {0pt}% horizontal separation between label and title body
5535 {\huge\rmfamily\itshape}% before the title body
5536 [\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\end{fullwidth}}{}}% after the title body
5537 \titleformat{\section}%
5538 [hang]% shape
5539 {\normalfont\Large\itshape}% format applied to label+text
5540 {\thesection}% label
5541 {1em}% horizontal separation between label and title body
5542 {}% before the title body
5543 []% after the title body
5544 \titleformat{\subsection}%
5545 [hang]% shape
5546 {\normalfont\large\itshape}% format applied to label+text
5547 {\thesubsection}% label
5548 {1em}% horizontal separation between label and title body
5549 {}% before the title body
5550 []% after the title body
5551 \titleformat{\paragraph}%
5552 [runin]% shape
5553 {\normalfont\itshape}% format applied to label+text
5554 {\theparagraph}% label
5555 {1em}% horizontal separation between label and title body
5556 {}% before the title body
5557 []% after the title body
5558 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5559 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5560 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5561 }
5562 % Subsubsection and following section headings shouldn't be used.
5563 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5564 \renewcommand\subsubsection{%
5565 \bidituftetocError{\noexpand\subsubsection is undefined by this class.%
5566 \MessageBreak See Robert Bringhurst's _The Elements of
5567 \MessageBreak Typographic Style_, section 4.2.2.
5568 \MessageBreak \noexpand\subsubsection was used}
5569 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as

```




```

5570 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
5571 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5572 }
5573 \renewcommand\subparagraph{%
5574 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
5575 \MessageBreak See Robert Bringhurst's _The Elements of
5576 \MessageBreak Typographic Style_, section 4.2.2.
5577 \MessageBreak \noexpand\subparagraph was used}
5578 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5579 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
5580 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5581 }
5582 % Formatting for main TOC (printed in front matter)
5583 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5584 \ifthenelse{\boolean{@biditytetoc@toc}}{%
5585 \bidity@patch@AfterPackage{bidity}{%
5586 \titlecontents{part}% FIXME
5587 [0em] % distance from left margin
5588 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting of e
5589 {\contentslabel{2em}} % before w/label (label = ``II'')
5590 {} % before w/o label
5591 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5592 [\end{fullwidth}] % after
5593 \titlecontents{chapter}%
5594 [0em] % distance from left margin
5595 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting of e
5596 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5597 {\hspace*{0em}} % before w/o label
5598 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5599 [\end{fullwidth}] % after
5600 \titlecontents{section}% FIXME
5601 [0em] % distance from left margin
5602 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting of ent
5603 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5604 {\hspace*{2em}} % before w/o label
5605 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5606 [\end{fullwidth}] % after
5607 \titlecontents{subsection}% FIXME
5608 [0em] % distance from left margin
5609 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting of ent
5610 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5611 {\hspace*{4em}} % before w/o label
5612 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5613 [\end{fullwidth}] % after
5614 \titlecontents{paragraph}% FIXME
5615 [0em] % distance from left margin
5616 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global formatting o
5617 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5618 {\hspace*{6em}} % before w/o label
5619 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5620 [\end{fullwidth}] % after
5621 }%
5622 }{}
5623 %%
5624 % Format lists of figures/tables
5625 \renewcommand\listoffigures{%
5626 \@ifundefined{chapter}%

```




```

5627     {\section*{\listfigurename}}%
5628     {\chapter*{\listfigurename}}%
5629 % \begin{fullwidth}%
5630 % \starttoc{lof}%
5631 % \end{fullwidth}%
5632 }
5633 \renewcommand\listoftables{%
5634   \ifundefined{chapter}%
5635     {\section*{\listtablename}}%
5636     {\chapter*{\listtablename}}%
5637 % \begin{fullwidth}%
5638 % \starttoc{lot}%
5639 % \end{fullwidth}%
5640 }
5641 \newcommand{\@bidityfttoc@lof@line}[2]{%
5642   % #1 is the figure/table number and its caption text
5643   % #2 is the page number on which the figure/table appears
5644   \leftskip 0.0em
5645   \rightskip 0em
5646   \parfillskip 0em plus 1fil
5647   \parindent 0.0em
5648   \@afterindenttrue
5649   \interlinepenalty\@M
5650   \leavevmode
5651   \@tempdima 2.0em
5652   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5653   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5654   {#1}\nobreak\quad\nobreak#2%
5655   \par%
5656 }
5657 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5658 \let\l@table\l@figure

```

25 File bidityftgeneralstructure.sty

```

5659 \NeedsTeXFormat{LaTeX2e}
5660 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5661 bidi implementation of tufte general structure]
5662 \renewcommand\small{%
5663   \@setfontsize\small\@ixpt{12}%
5664   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5665   \abovedisplayshortskip \z@ \@plus2\p@
5666   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5667   \def\@listi{\leftmargin\leftmargini
5668     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5669     \parsep 2\p@ \@plus\p@ \@minus\p@
5670     \itemsep \parsep}%
5671   \belowdisplayskip \abovedisplayskip
5672 }
5673 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5674 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5675 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5676 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5677 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5678 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5679 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5680 \setlength\leftmargini {1pc}

```



```

5681 \setlength\leftmarginii {1pc}
5682 \setlength\leftmarginiii {1pc}
5683 \setlength\leftmarginiv {1pc}
5684 \setlength\leftmarginv {1pc}
5685 \setlength\leftmarginvi {1pc}
5686 \setlength\labelsep {.5pc}
5687 \setlength\labelwidth {\leftmargini}
5688 \addtolength\labelwidth{-\labelsep}
5689 \setlength{\parindent}{1.0pc}%
5690 \setlength{\parskip}{0pt}%
5691 \RequirePackage{ragged2e}
5692 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5693 % Paragraph indentation and separation for normal text
5694 \newcommand{\@biditytgeneralstructure@reset@par}{%
5695   \setlength{\RaggedRightParindent}{1.0pc}%
5696   \setlength{\JustifyingParindent}{1.0pc}%
5697   \setlength{\parindent}{1pc}%
5698   \setlength{\parskip}{0pt}%
5699 }
5700 \@biditytgeneralstructure@reset@par
5701 % Require paralist package for tighter lists
5702 \RequirePackage{paralist}
5703 % Add rightmargin to compactenum
5704 \def\@compactenum{%
5705   \expandafter\list\csname label\@enumctr\endcsname{%
5706     \usecounter{\@enumctr}%
5707     \rightmargin=2em% added this
5708     \parsep\plparsep
5709     \itemsep\plitemsep
5710     \topsep\pltopsep
5711     \partopsep\plpartopsep
5712     \def\makelabel##1{\hss\llap{##1}}}%
5713 %%
5714 % An environment for paragraph-style section
5715 \providecommand\newthought[1]{%
5716   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5717   \noindent\textbf{#1}%
5718 }
5719 %%
5720 % Redefine the display environments (quote, quotation, etc.)
5721 \renewenvironment{verse}
5722   {\let\\\@centercr
5723    \list{}{\itemsep \z@
5724             \itemindent -1pc%
5725             \listparindent\itemindent
5726             \rightmargin \leftmargin
5727             \advance\leftmargin 1pc}%
5728    \small%
5729    \item\relax}
5730   {\endlist}
5731 \renewenvironment{quotation}
5732   {\list{}{\listparindent 1pc%
5733             \itemindent \listparindent
5734             \rightmargin \leftmargin
5735             \parsep \z@ \@plus\p}%
5736    \small%
5737    \item\relax\noindent\ignorespaces}

```



```

5738             {\endlist}
5739 \renewenvironment{quote}
5740             {\list{}{\rightmargin\leftmargin}%
5741             \small%
5742             \item\relax}
5743             {\endlist}
5744 % Italicize description run-in headings (instead of the default bold)
5745 \renewcommand*{\descriptionlabel[1]}{\hspace\labelsep\normalfont\em #1}
5746 %%
5747 % Redefine \bibsection to not mark the running heads.
5748 % (Code modified from natbib.sty.)
5749 \@ifundefined{chapter}%
5750   {\renewcommand\bibsection{\section*{\refname}}}
5751   {\@ifundefined{NAT@sectionbib}%
5752     {\renewcommand\bibsection{\chapter{\bibname}}}
5753     {\renewcommand\bibsection{\section*{\bibname}}}}
5754 \RequirePackage{multicol}
5755 \renewenvironment{theindex}{%
5756 \@ifundefined{chapter}%
5757   {\section*{\indexname}}%
5758   {\chapter{\indexname}}%
5759 \begin{fullwidth}%
5760 \small%
5761 \parskip0pt%
5762 \parindent0pt%
5763 \let\item\@idxitem%
5764 \begin{multicols}{3}%
5765 }{%
5766 \end{multicols}%
5767 \end{fullwidth}%
5768 }
5769 \AtBeginDocument{%
5770 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5771 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5772 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5773 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5774 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

26 File bidentuftehyperref.sty

```

5775 \NeedsTeXFormat{LaTeX2e}
5776 \ProvidesPackage{bidentuftehyperref}[2011/06/18 v0.1
5777 bidi implementation of tufte hyperref]
5778 %%
5779 % Color
5780 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5781 \newboolean{@bidentuftehyperref@loadhyper}
5782 \setboolean{@bidentuftehyperref@loadhyper}{true}
5783 \DeclareOption{hyper}{\setboolean{@bidentuftehyperref@loadhyper}{true}}
5784 \DeclareOption{nohyper}{\setboolean{@bidentuftehyperref@loadhyper}{false}}
5785 \ProcessOptions
5786 %% Loads the hyperref package and sets some default options.
5787 \newcommand{\bidentuftehyperrefLoadHyperref}{%
5788 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5789 \hypersetup{
5790   bookmarksdepth = section,
5791   citecolor = DarkGreen,

```



```

5792     linkcolor = DarkBlue,
5793 %     pagecolor = DarkBlue,
5794     urlcolor = DarkGreen,
5795 }%
5796 }
5797 \ifthenelse{\boolean{@biditytfttehyperref@loadhyper}}{%
5798   \biditytfttehyperrefLoadHyperref%
5799 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5800   \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5801 }

```

27 File biditytfttetitle.sty

```

5802 \NeedsTeXFormat{LaTeX2e}
5803 \ProvidesPackage{biditytfttetitle}[2011/06/18 v0.1
5804 bidi implementation of tufte title]
5805 \RequirePackage{biditytools}
5806 %%
5807 % `titlepage' option -- creates a full title page with \maketitle
5808 \newboolean{@biditytfttetitle@titlepage}
5809 \DeclareOption{titlepage}{\setboolean{@biditytfttetitle@titlepage}{true}}
5810 \DeclareOption{notitlepage}{\setboolean{@biditytfttetitle@titlepage}{false}}
5811 % Default `book' and `handout' options
5812 \@ifclassloaded{book}{%
5813 \ExecuteOptions{titlepage}}{%
5814 \@ifclassloaded{article}{%
5815 \ExecuteOptions{notitlepage}}%
5816 {}
5817 \ProcessOptions
5818 %%
5819 % Modified \title, \author, and \date commands. These store the
5820 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
5821 \newcommand{\plaintitle}{}% plain-text-only title
5822 \newcommand{\plainauthor}{}% plain-text-only author
5823 \newcommand{\plainpublisher}{}% plain-text-only publisher
5824 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5825 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5826 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5827 \newcommand{\@publisher}{}% full publisher with \thanks{}
5828 \newcommand{\thedata}{\today}
5829 \bidity@patch@AfterPackage{bidi}{%
5830 \renewcommand{\thanks}[1]{\footnote{#1}}
5831 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5832 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5833 }
5834 \renewcommand{\title}[2][]{%
5835   \gdef\@title{#2}%
5836   \begingroup%
5837     % TODO store contents of \thanks command
5838     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5839     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5840     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5841     \protected@xdef\thanklesstitle{#2}%
5842   \endgroup%
5843   \ifthenelse{\isempty{#1}}{%
5844     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5845     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title

```



```

5846 \@ifundefined{hypersetup}%
5847 {}% hyperref is not loaded; do nothing
5848 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5849 }
5850 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5851 \renewcommand{\author}[2][]{%
5852 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5853 \begingroup%
5854 % TODO store contents of \thanks command
5855 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5856 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5857 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5858 \protected@xdef\thanklessauthor{#2}%
5859 \endgroup%
5860 \ifthenelse{\isempty{#1}}%
5861 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5862 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5863 \@ifundefined{hypersetup}%
5864 {}% hyperref is not loaded; do nothing
5865 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5866 }
5867 \renewcommand{\date}[1]{%
5868 \gdef\@date{#1}%
5869 \begingroup%
5870 % TODO store contents of \thanks command
5871 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5872 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5873 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5874 \protected@xdef\thedata{#1}%
5875 \endgroup%
5876 }
5877 %%
5878 % Provides a \publisher command to set the publisher
5879 \newcommand{\publisher}[2][]{%
5880 \gdef\@publisher{#2}%
5881 \begingroup%
5882 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5883 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5884 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5885 \protected@xdef\thanklesspublisher{#2}%
5886 \endgroup%
5887 \ifthenelse{\isempty{#1}}%
5888 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5889 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5890 }
5891 %%
5892 % Produces a full title page
5893 \newcommand{\maketitlepage}[0]{%
5894 \cleardoublepage%
5895 {%
5896 \bfseries%
5897 \begin{fullwidth}%
5898 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5899 \vspace{11.5pc}%
5900 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5901 \vfill%
5902 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%

```



```

5903 \end{fullwidth}%
5904 }
5905 \thispagestyle{empty}%
5906 \clearpage%
5907 }
5908 %%
5909 % Title block
5910 \bidi@AfterEndPreamble{%
5911 \renewcommand{\maketitle}{%
5912 \newpage%
5913 \global\@topnum\z@% prevent floats from being placed at the top of the page
5914 \begingroup%
5915 \setlength{\parindent}{0pt}%
5916 \setlength{\parskip}{4pt}%
5917 \let\@title\empty%
5918 \let\@author\empty%
5919 \let\@date\empty%
5920 \gdef\@title{\LARGE\itshape\@title\par}%
5921 \gdef\@author{\Large\itshape\@author\par}%
5922 \gdef\@date{\Large\itshape\@date\par}%
5923 \@title%
5924 \@author%
5925 \@date%
5926 \endgroup%
5927 \thispagestyle{plain}% suppress the running head
5928 }%
5929 }
5930 %%
5931 % Title page (if the 'titlepage' option was passed to the bidentitetitle-handout
5932 % class.)
5933 \bidi@AfterEndPreamble{%
5934 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5935 {\renewcommand{\maketitle}{\maketitlepage}}
5936 {}
5937 }
5938 %%
5939 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5940 % without headers and footers
5941 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5942 \hbox{}
5943 \vspace*{\fill}
5944 \begin{center}
5945 % This page intentionally contains only this sentence.
5946 \end{center}
5947 \vspace*{\fill}
5948 \thispagestyle{empty}
5949 \newpage
5950 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

28 File bidentufte-handout.cls

```

5951 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5952 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5953 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5954 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5955 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5956 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}

```



```

5957 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5958 \ProcessOptions\relax
5959 \LoadClass{article}
5960 \RequirePackage{bidituftefloat}
5961 \RequirePackage{bidituftesidenote}
5962 \RequirePackage{bidituftetoc}
5963 \RequirePackage{bidituftegeneralstructure}
5964 \RequirePackage{bidituftehyperref}
5965 \RequirePackage{bidituftetitle}
5966 \renewenvironment{abstract}
5967   {\begin{quotation}}
5968   {\end{quotation}}
5969 \AtBeginDocument{%
5970 \IfFileExists{biditufte-handout.cfg}
5971   {\input{biditufte-handout.cfg}}
5972   \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5973 {}%
5974 }

```

29 File biditufte-book.cls

```

5975 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5976 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5977 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5978 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5979 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5980 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5981 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5982 \ProcessOptions\relax
5983 \LoadClass{book}
5984 \RequirePackage{bidituftefloat}
5985 \RequirePackage{bidituftesidenote}
5986 \RequirePackage{bidituftetoc}
5987 \RequirePackage{bidituftegeneralstructure}
5988 \RequirePackage{bidituftehyperref}
5989 \RequirePackage{bidituftetitle}
5990 %%
5991 % Set up any book-specific stuff now
5992 %%
5993 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5994 % to the opening page of Chapter 1. The running heads, when they appear,
5995 % contain only the (arabic) page number in the outside corner.
5996 %\newif\if@mainmatter \@mainmattertrue
5997 \renewcommand\frontmatter{%
5998   \cleardoublepage%
5999   \@mainmatterfalse%
6000   \pagenumbering{arabic}%
6001   %\pagestyle{plain}%
6002   \fancyhf{}%
6003   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
6004     {\fancyhead[LE,RO]{\thepage}}%
6005     {\fancyhead[RE,RO]{\thepage}}%
6006   }
6007   %%
6008 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
6009 % numbering---it continues where it left off in the front matter.
6010 \renewcommand\mainmatter{%

```



```

6011 \cleardoublepage%
6012 \@mainmattertrue%
6013 \fancyhf{}%
6014 \ifthenelse{\boolean{@biditytfloat@twoside}}%
6015     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
6016     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
6017     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
6018     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
6019 }
6020 %%
6021 % The back matter contains appendices, indices, glossaries, endnotes,
6022 % bibliographies, list of contributors, illustration credits, etc.
6023 \renewcommand\backmatter{%
6024     \if@openright%
6025         \cleardoublepage%
6026     \else%
6027         \clearpage%
6028     \fi%
6029     \@mainmatterfalse%
6030 }
6031 %%
6032 % Only show the chapter titles in the table of contents
6033 \setcounter{tocdepth}{0}
6034 \AtBeginDocument{%
6035     \IfFileExists{biditytfe-book.cfg}
6036     {\input{biditytfe-book.cfg}
6037     \ClassInfo{biditytfe-book}{Loading biditytfe-book configuration file \@gobble}}
6038     {}%
6039 }

```

30 File bidipoem.sty

```

6040 \NeedsTeXFormat{LaTeX2e}
6041 \ProvidesPackage{bidipoem}%
6042 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
6043
6044 % Usage:
6045 %
6046 % \Setversedim #1#2 % define the layout (within a group):
6047 % #1 = length of both half-verses
6048 % #2 = separation distance = length of a connection, if present
6049 % Variant:
6050 % \Setversedim #1[#2]#3 % for half-verses of unequal length
6051 % #1 = length of first (=right) half-verse
6052 % #2 = length of second (=left) half-verse
6053 % #3 = separation distance = length of a connection, if present
6054 %
6055 % \traditionalhalfverses #1#2 % typeset two separated half-verses
6056 % #1 = text of first (=right) half-verse
6057 % #2 = text of second (=left) half-verse
6058 % Variant:
6059 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
6060 % #1 = text of first (=right) half-verse
6061 % #2 = text of connection
6062 % #3 = text of second (=left) half-verse
6063 %
6064 % Alternative (if preferred):

```




```

6065 %
6066 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
6067
6068
6069 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1[#2]}
6070
6071 % define the layout, verses will be centered
6072
6073 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
6074 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
6075
6076 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
6077 \bidipoem@hvind \textwidth
6078 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
6079 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
6080 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@next }
6081
6082 \def \bidipoem@set@verseI [#1]{% optional parameter
6083 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
6084
6085 \newcommand*{\bidipoem@set@@verse}[1]{% separation
6086 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
6087 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
6088
6089 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
6090 \ifdim Opt > \bidipoem@hvind %
6091 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
6092 \else
6093 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
6094 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
6095 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
6096 \par }
6097
6098 % macro for two half verses
6099 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
6100 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
6101 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
6102 \bidipoem@half@verses@next}
6103
6104 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
6105 \traditionalconnverses {#1}{#2}{#3}}
6106
6107
6108 {\catcode\^^M=\active % these lines must end with %
6109 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
6110 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
6111 {\catcode\^^M=\active % these lines must end with %
6112 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
6113 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
6114 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
6115 \def\poemmarginskip{1em plus 1fil minus 1em}
6116 \def\poemextrabaseskip{0\baselineskip}
6117 \def\poemskip{\medskip}
6118 \newcommand{\bidipoem@openbox}{\leavevmode
6119 \hbox to .77778em{%
6120 \hfil\vrule
6121 \vbox to .675em{\hrule width .6em\vfil\hrule}%

```



```

6122 \vrule\hfil}}
6123 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
6124 \newdimen\versewidth
6125 \newtoks\bidipoem@p@ftn
6126 \def\poem@verse#1{%
6127 \ifdim\wd#1>\new@poem@width
6128 \xdef\new@poem@width{\the\wd#1}%
6129 \ifdim\new@poem@width>\poem@width
6130 \xdef\poem@width{\new@poem@width}%
6131 \global\let\poem@needrun\relax
6132 \fi
6133 \fi
6134 \hbox to\poem@width{\unhbox#1}%
6135 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
6136 }
6137 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmargin\skip\relax}
6138 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
6139 \def\poem@lineversesep{%
6140 \nobreak
6141 \hskip\z@ plus 1filll%
6142 \penalty600%
6143 \hskip\poemcolsepskip
6144 \hskip\z@ plus -2filll%
6145 \vadjust{}}%
6146 \nobreak
6147 \hskip\z@ plus 1filll%
6148 }
6149 \def\poem@lineparsebegin{%
6150 \halign\bgroup
6151 \global\setbox\verse@i=\hbox{%
6152 \let\@footnotetext\bidipoem@p@ftntext%
6153 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6154 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6155 \let\@xfootnotenext\bidipoem@p@xftntext%
6156 \let\@xfootnote\bidipoem@p@xfootnote%
6157 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6158 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6159 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6160 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6161 \ignorespaces##\unskip}&&
6162 \global\setbox\verse@ii=\hbox{%
6163 \let\@footnotetext\bidipoem@p@ftntext%
6164 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6165 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6166 \let\@xfootnotenext\bidipoem@p@xftntext%
6167 \let\@xfootnote\bidipoem@p@xfootnote%
6168 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6169 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6170 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6171 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6172 \ignorespaces##\unskip}
6173 \cr
6174 }
6175 \def\poem@lineparseend{%
6176 \crr\egroup
6177 \vskip-\baselineskip
6178 }

```



```

6179 \def\traditionalpoem@cr{%
6180   \cr\poem@line
6181 }
6182 \newbox\verse@i
6183 \newbox\verse@ii
6184 \newif\ifpoem@started
6185
6186 \def\poem@line{%
6187 \poem@lineparseend
6188 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6189 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6190 \ifpoem@started
6191   \ifdim\wd\verse@ii>\z@\else
6192     \nopagebreak[3]
6193   \fi
6194   \leavevmode
6195   \poem@linebegin
6196   \poem@verse\verse@i
6197   \ifdim\wd\verse@ii>\z@
6198     \poem@lineversesep
6199     \poem@verse\verse@ii
6200   \fi
6201   \poem@lineend
6202 %   \nopagebreak
6203   \par
6204   \vskip\poemextrabaseselineskip
6205 \fi
6206 \poem@lineparsebegin
6207 }
6208 \def\@traditionalpoem{%
6209 \stepcounter{poem@no}
6210   \ifnum\max@poem@no<\number\c@poem@no%
6211 \xdef\poem@width{\z@}%
6212   \else
6213 \xdef\poem@width{\poem@prop{poem@width}}%
6214 \fi
6215 \xdef\new@poem@width{\z@}%
6216 \global\versewidth=\poem@width
6217 \poemskip\par
6218 \begingroup
6219 \tabskip=\z@
6220 \parskip=\z@
6221 \parindent=\z@
6222 \parfillskip=\z@
6223 \rightskip=\z@
6224 \leftskip=\z@
6225 \widowpenalty=10000% No break between verses of the same line.
6226 \clubpenalty=10000% Same as above. Not really needed.
6227 \def\newblock{\hfil\poemblocksep\hfil\null}%
6228 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6229 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
6230 \global\poem@startedfalse
6231 \csname poem@obeylines\endcsname
6232 \let\poem@obeylines\relax
6233 \poem@lineparsebegin
6234 }
6235 \def\@endtraditionalpoem{%

```



```

6236 \cr
6237 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6238 \noalign{%
6239 \skip0=\poemextrabaseskip
6240 \vskip-\skip0
6241 \vskip-\baseskip
6242 }%
6243 \fi\fi
6244 \poem@lineparseend
6245 \endgroup
6246 \par
6247 \vskip\baseskip
6248 \poemskip
6249 \ifdim\new@poem@width<\poem@width
6250 \global\let\poem@needrun\relax
6251 \fi
6252 \poem@write@aux{\poem@width@romannumeral\c@poem@no}{\new@poem@width}%
6253 \ifx\AtEndDocument\undefined\poem@finish\fi
6254 \@endparenv
6255 }
6256
6257
6258 \long\def\bidipoem@p@ftntext#1{%
6259 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
6260 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6261 \long\def\bidipoem@p@LTRftntext#1{%
6262 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
6263 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6264 \long\def\bidipoem@p@RTLftntext#1{%
6265 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
6266 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
6267
6268 \long\def\bidipoem@p@xftntext[#1]#2{%
6269 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6270
6271 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6272 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
6273
6274 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6275 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
6276
6277 \def\bidipoem@p@xfootnote[#1]{%
6278 \begingroup
6279 \csname c@\@mpfn\endcsname #1\relax
6280 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6281 \endgroup
6282 \@footnotemark\bidipoem@p@xftntext[#1]}
6283
6284 \def\bidipoem@p@xLTRfootnote[#1]{%
6285 \begingroup
6286 \csname c@\@mpfn\endcsname #1\relax
6287 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6288 \endgroup
6289 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6290
6291 \def\bidipoem@p@xRTLfootnote[#1]{%
6292 \begingroup

```



```

6293 \csname c@mpfn\endcsname #1\relax
6294 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6295 \endgroup
6296 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6297
6298
6299
6300 \newenvironment{traditionalpoem}{\@traditionalpoem}{\endtraditionalpoem}
6301 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines\tradi
6302 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6303 \def\poem@finish{%
6304 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6305 \ifx\poem@needrun\relax
6306 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6307 \global\let\poem@needrun\undefined
6308 \fi
6309 }
6310 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6311 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6312 \ifx\max@poem@no\undefined
6313 \def\max@poem@no{0}%
6314 \fi
6315 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral\c@poem@no}}
6316 \newcommand{\poem@write@aux}[2]{%
6317 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6318 \@x
6319 }
6320 \def\@modernpoem{%
6321 \par
6322 \begingroup
6323 \parskip=\z@
6324 \parindent=\z@
6325 \def\[{ \@settab\@tabplus\ignorespaces}%
6326 \def\]{ \@tabminus\ignorespaces}%
6327 \def\newblock{\poemblocksep}%
6328 \let\newpoem@tabcr\@tabcr
6329 \def\modernpoem@par{% Redefine \par for possible \obeylines
6330 \ifpoem@started\else
6331 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6332 \@stopfield
6333 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6334 \@contfield
6335 \fi
6336 \fi
6337 \ifpoem@started\newpoem@tabcr\fi}%
6338 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6339 \global\poem@startedfalse
6340 \csname poem@obeylines\endcsname
6341 \let\poem@obeylines\relax
6342 \begin{tabbing}%
6343 }
6344 \def\@endmodernpoem{%
6345 \global\poem@startedfalse
6346 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6347 \@stopfield
6348 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6349 \@contfield

```



```

6350 \fi
6351 \ifpoem@started\else\let\@stopline\@stopfield\fi
6352 \end{tabbing}%
6353 \endgroup
6354 \par
6355 \if@noparlist \else
6356 \ifdim\lastskip >\z@
6357 \@tempskipa\lastskip \vskip -\lastskip
6358 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6359 \vskip\@tempskipa
6360 \fi
6361 \@endparenv
6362 \fi
6363 }
6364 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6365 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
6366 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6367 \gdef\@startfield{%
6368 \global\setbox\@curfield\hbox\bgroup%
6369 \let\@footnotetext\bidipoem@p@ftntext%
6370 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6371 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6372 \let\@xfootnotenext\bidipoem@p@xftntext%
6373 \let\@xfootnote\bidipoem@p@xfootnote%
6374 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6375 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6376 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6377 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6378 \color@begingroup}
6379 \gdef\@stopfield{%
6380 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6381 \gdef\@contfield{%
6382 \global\setbox\@curfield\hbox\bgroup%
6383 \let\@footnotetext\bidipoem@p@ftntext%
6384 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6385 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6386 \let\@xfootnotenext\bidipoem@p@xftntext%
6387 \let\@xfootnote\bidipoem@p@xfootnote%
6388 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6389 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6390 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6391 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6392 \color@begingroup\unhbox\@curfield}

```

31 File boek3-xetex-bidi.def

```

6393 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX engine]
6394 \renewenvironment{theindex}{%
6395 \if@twocolumn
6396 \@restonecolfalse
6397 \else
6398 \@restonecoltrue
6399 \fi
6400 \columnseprule \z@
6401 \columnsep 35\p@
6402 \twocolumn[\@makeschapterhead{\indexname}]%
6403 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%

```



```

6404 \thispagestyle{plain}\parindent\z@
6405 \parskip\z@ \@plus .3\p@ \relax
6406 \let\item\@idxitem
6407 }{%
6408 \if@restonecol\onecolumn\else\clearpage\fi}
6409 \renewcommand*\head@style{%
6410   \interlinepenalty \@M
6411   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6412   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize \relax}
6413 \renewcommand*\@regtocline[3]{%
6414   \ifnum #1>\c@tocdepth
6415   \else
6416     \vskip\z@ \@plus .2\p@
6417     {\hangindent\z@ \afterindenttrue \interlinepenalty \@M
6418     \if@RTL\rightskip\else\leftskip\fi\unitindent
6419     \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6420     \parfillskip\z@
6421     \@tempdima\unitindent
6422     \parindent\z@
6423     \leavevmode
6424     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi \relax#2\nobreak
6425     \hskip 1em \nobreak{\slshape #3}\par
6426   }%
6427 \fi}
6428 \if@oldtoc
6429 \renewcommand*\l@part[2]{%
6430   \ifnum \c@tocdepth >-2\relax
6431     \addpenalty{-\@highpenalty}%
6432     \addvspace{2.25em \@plus \p@}%
6433     \begingroup
6434       \setlength\@tempdima{3em}%
6435       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6436       \parfillskip -\@pnumwidth
6437       {\leavevmode
6438         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6439         \nobreak
6440         \global\@nobreaktrue
6441         \everypar{\global\@nobreakfalse\everypar{}}%
6442       \endgroup
6443   \fi}
6444 \else
6445   \renewcommand*\l@part{%
6446     \ifnum \c@tocdepth >-2\relax
6447       \addpenalty{-\@highpenalty}%
6448       \addvspace{2.25em \@plus \p@}%
6449       \@regtocline{0}%
6450     \fi}
6451 \fi
6452 \if@oldtoc
6453 \renewcommand*\l@chapter[2]{%
6454   \addpenalty{-\@highpenalty}%
6455   \vskip 1.0em \@plus \p@
6456   \setlength\@tempdima{1.5em}%
6457   \begingroup
6458   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6459   \parfillskip -\@pnumwidth
6460   \leavevmode \bfseries

```



```

6461 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6462 \hskip -\if@RTL\rightskip\else\leftskip\fi
6463 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6464 \penalty\@highpenalty
6465 \endgroup}
6466 \else
6467 \renewcommand*\l@chapter{\@regtocline{0}}
6468 \fi
6469 \renewenvironment{abstract}{%
6470 \titlepage
6471 \null\vfil
6472 \section*{\SectFont \abstractname}
6473 \noindent\ignorespaces}
6474 {\par\vfil\null\endtitlepage}
6475 \renewenvironment{thebibliography}[1]
6476 {\chapter*{\bibname}%
6477 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6478 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6479 \bidi@thebibliography@font@hook%
6480 \list{\@biblabel{\@arabic\c@enumiv}}%
6481 {\settowidth\labelwidth{\@biblabel{#1}}%
6482 \leftmargin\labelwidth
6483 \advance\leftmargin\labelsep
6484 \openbib@code
6485 \usecounter{enumiv}%
6486 \let\p@enumiv\@empty
6487 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6488 \sloppy\clubpenalty4000\widowpenalty4000%
6489 \sfcode`. \@m}
6490 {\def\@noitemerr
6491 {\@latex@warning{Empty `thebibliography' environment}}}%
6492 \endlist}
6493 \renewcommand*\left@footnoterule{%
6494 \kern-3\p@
6495 \kern.5\baselineskip
6496 \hrule\@width\unitindent
6497 \kern.4\baselineskip
6498 }
6499 \renewcommand*\right@footnoterule{%
6500 \kern-3\p@
6501 \kern.5\baselineskip
6502 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6503 \kern.4\baselineskip}
6504 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6505 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
6506 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
6507 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
6508 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
6509 \renewcommand*\theequation{%
6510 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6511 \renewcommand*\thefigure{%
6512 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6513 \renewcommand*\thetable{%
6514 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6515 \renewcommand*\maketitle{%
6516 \begin{titlepage}%
6517 \let\footnotesize\small

```




```

6518 \let\right@footnoterule\relax
6519 \let\left@footnoterule\relax
6520 \let\textwidth@footnoterule\relax
6521 \let \footnote \thanks
6522 \long\def\@makefnctext##1{\parindent\z@
6523 \def\labelitemi{\textendash}\@revlabeltrue
6524 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6525 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6526 \if@compatibility\setcounter{page}{0}\fi
6527 \null\vfil
6528 \vskip 60\p@
6529 \begin{center}%
6530 \TitleFont
6531 {\LARGE \def\\{\penalty -\@M}
6532 \if@allcaps
6533 \expandafter\uc@nothanks\@title\thanks\relax
6534 \else
6535 \@title
6536 \fi\par}%
6537 \vskip 3em%
6538 {\large
6539 \lineskip .75em \parindent\z@
6540 \begin{tabular}[t]{c}%
6541 \if@allcaps
6542 \expandafter\uc@authornothanks\@author\and\relax
6543 \else
6544 \@author
6545 \fi
6546 \end{tabular}\par}%
6547 \vskip 1.5em%
6548 {\large
6549 \if@allcaps
6550 \uppercase\expandafter{\@date}%
6551 \else
6552 \@date
6553 \fi\par}%
6554 \end{center}\par
6555 \@thanks
6556 \vfil\null
6557 \end{titlepage}%
6558 \setcounter{footnote}{0}%
6559 \global\let\thanks\relax
6560 \global\let\maketitle\relax
6561 \global\let\@thanks\@empty
6562 \global\let\@author\@empty
6563 \global\let\@title\@empty
6564 \global\let\@date\@empty
6565 \global\let\title\relax
6566 \global\let\author\relax
6567 \global\let\date\relax
6568 \global\let\and\relax
6569 }

```

32 File boek-xetex-bidi.def

```

6570 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX engine]
6571 \renewenvironment{theindex}{%

```



```

6572 \if@twocolumn
6573 \@restonecolfalse
6574 \else
6575 \@restonecoltrue
6576 \fi
6577 \columnseprule \z@
6578 \columnsep 35\p@
6579 \twocolumn[\@makeschapterhead{\indexname}]%
6580 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6581 \thispagestyle{plain}\parindent\z@
6582 \parskip\z@ \@plus .3\p@\relax
6583 \let\item\@idxitem
6584 }{%
6585 \if@restonecol\onecolumn\else\clearpage\fi}
6586 \renewcommand*{\headstyle}{%
6587 \interlinepenalty \@M
6588 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6589 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6590 \renewcommand*{\regtocline}[3]{%
6591 \ifnum #1>\c@tocdepth
6592 \else
6593 \vskip\z@ \@plus .2\p@
6594 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6595 \if@RTL\rightskip\else\leftskip\fi\unitindent
6596 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6597 \parfillskip\z@
6598 \@tempdima\unitindent
6599 \parindent\z@
6600 \leavevmode
6601 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6602 \hskip 1em \nobreak{\slshape #3}\par
6603 }%
6604 \fi}
6605 \if@oldtoc
6606 \renewcommand*{\l@part}[2]{%
6607 \ifnum \c@tocdepth >-2\relax
6608 \addpenalty{-\@highpenalty}%
6609 \addvspace{2.25em \@plus \p@}%
6610 \begingroup
6611 \setlength\@tempdima{3em}%
6612 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6613 \parfillskip -\@pnumwidth
6614 {\leavevmode
6615 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6616 \nobreak
6617 \global\@nobreaktrue
6618 \everypar{\global\@nobreakfalse\everypar{}}%
6619 \endgroup
6620 \fi}
6621 \else
6622 \renewcommand*{\l@part}{%
6623 \ifnum \c@tocdepth >-2\relax
6624 \addpenalty{-\@highpenalty}%
6625 \addvspace{2.25em \@plus \p@}%
6626 \regtocline{0}%
6627 \fi}
6628 \fi

```



```

6629 \if@oldtoc
6630 \renewcommand*\l@chapter[2]{%
6631   \addpenalty{-\@highpenalty}%
6632   \vskip 1.0em \@plus\p@
6633   \setlength\@tempdima{1.5em}%
6634   \begingroup
6635   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6636   \parfillskip -\@pnumwidth
6637   \leavevmode \bfseries
6638   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6639   \hskip -\if@RTL\rightskip\else\leftskip\fi
6640   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6641   \penalty\@highpenalty
6642   \endgroup}
6643 \else
6644   \renewcommand*\l@chapter{\@regtocline{0}}
6645 \fi
6646 \renewcommand*\left@footnoterule{%
6647   \kern-3\p@
6648   \kern.5\baselineskip
6649   \hrule\@width\unitindent
6650   \kern.4\baselineskip
6651 }
6652 \renewcommand*\right@footnoterule{%
6653   \kern-3\p@
6654   \kern.5\baselineskip
6655   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6656   \kern.4\baselineskip}
6657 \renewenvironment{abstract}{%
6658   \titlepage
6659   \null\vfil
6660   \section*\{SectFont \abstractname}
6661   \noindent\ignorespaces}
6662   {\par\vfil\null\endtitlepage}
6663 \renewenvironment{thebibliography}[1]
6664   {\chapter*\{bibname}%
6665     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6666     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6667     \bidi@thebibliography@font@hook%
6668     \list{\@biblabel{\@arabic\c@enumiv}}%
6669       {\settowidth\labelwidth{\@biblabel{#1}}%
6670        \leftmargin\labelwidth
6671        \advance\leftmargin\labelsep
6672        \openbib@code
6673        \usecounter{enumiv}%
6674        \let\p@enumiv\@empty
6675        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6676     \sloppy\clubpenalty4000\widowpenalty4000%
6677     \sfcode`.\@m}
6678   {\def\@noitemerr
6679     {\@latex@warning{Empty `thebibliography' environment}}%
6680     \endlist}
6681 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6682 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6683 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6684 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6685 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

6686 \renewcommand*\theequation{%
6687   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6688 \renewcommand*\thefigure{%
6689   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6690 \renewcommand*\thetable{%
6691   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6692 \renewcommand*\maketitle{%
6693   \begin{titlepage}%
6694     \let\footnotesize\small
6695     \let\right@footnoterule\relax
6696     \let\left@footnoterule\relax
6697     \let\textwidth\footnoterule\relax
6698     \let \footnote \thanks
6699     \long\def\@makefnmark##1{\parindent\z@
6700       \def\labelitemi{\textendash}\@revlabeltrue
6701       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6702     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6703     \if@compatibility\setcounter{page}{0}\fi
6704     \null\vfil
6705     \vskip 60\p@
6706     \begin{center}%
6707       \TitleFont
6708       {\LARGE \def\\{\penalty -\@M}
6709         \if@allcaps
6710           \expandafter\uc@nothanks\@title\thanks\relax
6711         \else
6712           \@title
6713         \fi\par}%
6714       \vskip 3em%
6715       {\large
6716         \lineskip .75em \parindent\z@
6717         \begin{tabular}[t]{c}%
6718           \if@allcaps
6719             \expandafter\uc@authornothanks\@author\and\relax
6720           \else
6721             \@author
6722           \fi
6723         \end{tabular}\par}%
6724       \vskip 1.5em%
6725       {\large
6726         \if@allcaps
6727           \uppercase\expandafter{\@date}%
6728         \else
6729           \@date
6730         \fi\par}%
6731       \end{center}\par
6732       \@thanks
6733       \vfil\null
6734     \end{titlepage}%
6735     \setcounter{footnote}{0}%
6736     \global\let\thanks\relax
6737     \global\let\maketitle\relax
6738     \global\let\@thanks\@empty
6739     \global\let\@author\@empty
6740     \global\let\@title\@empty
6741     \global\let\@date\@empty
6742     \global\let\title\relax

```



```

6743 \global\let\author\relax
6744 \global\let\date\relax
6745 \global\let\and\relax
6746 }

```

33 File bookest-xetex-bidi.def

```

6747 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeTeX engi
6748 \def\@makechapterhead#1{%
6749   \vspace*{20\p@}
6750   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6751     \ifnum \c@secnumdepth >\m@ne
6752       \if@mainmatter
6753         {\colorA\huge\scshape \@chapapp\space \thechapter}
6754         \par\nobreak
6755         \vskip 10\p@
6756       \fi
6757     \fi
6758     \interlinepenalty\@M
6759   {\colorB\hrule}
6760   \vskip 15\p@
6761   \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6762     {\colorA\Huge \bfseries #1}\par\nobreak
6763   \if@RTL\end{flushleft}\else\end{flushright}\fi
6764   \vskip 5\p@
6765   {\colorB\hrule}
6766   \vskip 30\p@
6767   }}
6768 \def\@makeschapterhead#1{%
6769   \vspace*{20\p@}
6770   {\parindent \z@ \raggedright \normalfont
6771   {\colorB\hrule}
6772   \vskip 15\p@
6773   \begin{center}
6774     {\colorA\Huge \bfseries #1}\par\nobreak
6775   \end{center}
6776   \vskip 5\p@
6777   {\colorB\hrule}
6778   \vskip 30\p@
6779   }}

```

34 File book-xetex-bidi.def

```

6780 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class for XeTeX e
6781 \renewenvironment{theindex}
6782   {\if@twocolumn
6783     \@restonecolfalse
6784     \else
6785       \@restonecoltrue
6786     \fi
6787     \columnseprule \z@
6788     \columnsep 35\p@
6789     \twocolumn[\@makeschapterhead{\indexname}]}%
6790   \@mkboth{\MakeUppercase\indexname}%
6791     {\MakeUppercase\indexname}%
6792   \thispagestyle{plain}\parindent\z@
6793   \parskip\z@ \@plus .3\p@\relax

```



```

6794             \let\item\@idxitem}
6795             {\if@restonecol\onecolumn\else\clearpage\fi}
6796 \@ifclassloaded{bookest}{\{%
6797   \if@titlepage
6798   \renewcommand\maketitle{\begin{titlepage}%
6799   \let\footnotesize\small
6800   \let\right@footnoterule\relax
6801   \let\left@footnoterule\relax
6802   \let\textwidth\footnoterule\relax
6803   \let \footnote \thanks
6804   \let \LTRfootnote \LTRthanks
6805   \let \RTLfootnote \RTLthanks
6806   \null\vfil
6807   \vskip 60\p@
6808   \begin{center}%
6809     {\LARGE \@title \par}%
6810     \vskip 3em%
6811     {\large
6812       \lineskip .75em%
6813       \begin{tabular}[t]{c}%
6814         \@author
6815         \end{tabular}\par}%
6816       \vskip 1.5em%
6817       {\large \@date \par}%           % Set date in \large size.
6818     \end{center}\par
6819     \@thanks
6820     \vfil\null
6821   \end{titlepage}%
6822   \setcounter{footnote}{0}%
6823   \global\let\thanks\relax
6824   \global\let\LTRthanks\relax
6825   \global\let\RTLthanks\relax
6826   \global\let\maketitle\relax
6827   \global\let\@thanks\@empty
6828   \global\let\@author\@empty
6829   \global\let\@date\@empty
6830   \global\let\@title\@empty
6831   \global\let\title\relax
6832   \global\let\author\relax
6833   \global\let\date\relax
6834   \global\let\and\relax
6835 }
6836 \else
6837 \renewcommand\maketitle{\par
6838   \begingroup
6839     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6840     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6841     \long\def\@makefnmark##1{\parindent 1em\noindent
6842       \hb@xt@1.8em{%
6843         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6844     \if@twocolumn
6845       \ifnum \col@number=\@one
6846         \maketitle
6847       \else
6848         \twocolumn[\maketitle]%
6849       \fi
6850     \else

```



```

6851     \newpage
6852     \global\@topnum\z@    % Prevents figures from going at top of page.
6853     \@maketitle
6854     \fi
6855     \thispagestyle{plain}\@thanks
6856 \endgroup
6857 \setcounter{footnote}{0}%
6858 \global\let\thanks\relax
6859 \global\let\LTRthanks\relax
6860 \global\let\RTLthanks\relax
6861 \global\let\maketitle\relax
6862 \global\let\@maketitle\relax
6863 \global\let\@thanks\@empty
6864 \global\let\@author\@empty
6865 \global\let\@date\@empty
6866 \global\let\@title\@empty
6867 \global\let\title\relax
6868 \global\let\author\relax
6869 \global\let\date\relax
6870 \global\let\and\relax
6871 }
6872 \def\@maketitle{%
6873   \newpage
6874   \null
6875   \vskip 2em%
6876   \begin{center}%
6877     \let \footnote \thanks
6878     \let \LTRfootnote \LTRthanks
6879     \let \RTLfootnote \RTLthanks
6880     {\LARGE \@title \par}%
6881     \vskip 1.5em%
6882     {\large
6883       \lineskip .5em%
6884       \begin{tabular}[t]{c}%
6885         \@author
6886       \end{tabular}\par}%
6887     \vskip 1em%
6888     {\large \@date}%
6889   \end{center}%
6890   \par
6891   \vskip 1.5em}
6892 \fi}
6893 \renewcommand*\l@part[2]{%
6894   \ifnum \c@tocdepth >-2\relax
6895     \addpenalty{-\@highpenalty}%
6896     \addvspace{2.25em \@plus\p@}%
6897     \setlength\@tempdima{3em}%
6898     \begin{group}
6899       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6900       \parfillskip -\@pnumwidth
6901       {\leavevmode
6902         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6903       \nobreak
6904       \global\@nobreaktrue
6905       \everypar{\global\@nobreakfalse\everypar{}}%
6906     \end{group}
6907   \fi}

```



```

6908 \renewcommand*\l@chapter[2]{%
6909   \ifnum \c@tocdepth >\m@ne
6910     \addpenalty{-\@highpenalty}%
6911     \vskip 1.0em \@plus\p@
6912     \setlength\@tempdima{1.5em}%
6913     \begingroup
6914       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6915       \parfillskip -\@pnumwidth
6916       \leavevmode \bfseries
6917       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6918       \hskip -\if@RTL\rightskip\else\leftskip\fi
6919       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6920       \penalty\@highpenalty
6921     \endgroup
6922   \fi}
6923 \renewcommand\left@footnoterule{%
6924   \kern-3\p@
6925   \hrule\@width.4\columnwidth
6926   \kern2.6\p@}
6927 \renewcommand\right@footnoterule{%
6928   \kern-3\p@
6929   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6930   \kern2.6\p@}
6931 \renewcommand\theequation
6932   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6933 \renewcommand \thefigure
6934   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6935 \renewcommand \thetable
6936   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6937 \renewcommand \thechapter {\@arabic\c@chapter}
6938 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6939 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6940 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6941 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6942 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6943 \def\@makechapterhead#1{%
6944   \vspace*{50\p@}%
6945   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6946     \ifnum \c@secnumdepth >\m@ne
6947       \if@mainmatter
6948         \huge\bfseries \@chapapp\space \thechapter
6949         \par\nobreak
6950         \vskip 20\p@
6951       \fi
6952     \fi
6953     \interlinepenalty\@M
6954     \Huge \bfseries #1\par\nobreak
6955     \vskip 40\p@
6956   }}
6957 \def\@makeschapterhead#1{%
6958   \vspace*{50\p@}%
6959   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6960     \normalfont
6961     \interlinepenalty\@M
6962     \Huge \bfseries #1\par\nobreak
6963     \vskip 40\p@
6964   }}

```




```

6965 \renewcommand\backmatter{%
6966   \if@openright
6967     \cleardoublepage
6968   \else
6969     \clearpage
6970   \fi
6971   \@mainmatterfalse}
6972 \renewenvironment{thebibliography}[1]
6973   {\chapter*{\bibname}%
6974     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6975     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6976     \bidi@thebibliography@font@hook%
6977     \list{\@biblabel{\@arabic\c@enumiv}}%
6978       {\settowidth\labelwidth{\@biblabel{#1}}%
6979         \leftmargin\labelwidth
6980         \advance\leftmargin\labelsep
6981         \@openbib@code
6982         \usecounter{enumiv}%
6983         \let\p@enumiv\@empty
6984         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6985     \sloppy
6986     \clubpenalty4000
6987     \@clubpenalty \clubpenalty
6988     \widowpenalty4000%
6989     \sfcode`.\@m}
6990   {\def\@noitemerr
6991     {\@latex@warning{Empty `thebibliography' environment}}%
6992     \endlist}

```

35 File breqn-xetex-bidi.def

```

6993 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for XeTeX engine]
6994 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6995   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6996   \if@noskipsec \leavevmode \fi
6997   \if@inlabel \leavevmode \global\@inlabelfalse \fi
6998   \if\eq@group\else\eq@prelim\fi
6999   \setkeys{breqn}{#1}%
7000   \the\eqstyle
7001   \eq@setnumber
7002   \begingroup
7003   \eq@setup@a
7004   \eq@startup
7005 }
7006 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
7007   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
7008   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
7009   \global\let\GRP@label\@empty
7010   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
7011   \global\grp@linewidth\z@\global\grp@wdNum\z@
7012   \global\let\grp@eqs@numbered\@False
7013   \global\let\grp@aligned\@True
7014   \global\let\grp@shiftnumber\@False
7015   \eq@prelim
7016   \setkeys{breqn}{#1}%
7017   \if\grp@hasNumber \grp@setnumber \fi
7018 }

```



```

7019 \def@dseries[#1]{\ifRTL\@RTLfalse\fi%
7020 \let\display@setup\dseries@display@setup
7021 % Question: should this be the default for dseries???
7022 \global\eq@wdCond\z@
7023 \@dmath[layout={M},#1]%
7024 \mathsurround\z@@@math \penalty\@Mi
7025 \let\endmath\ends@math
7026 \def\premath{%
7027   \ifdim\lastskip<.3em \unskip
7028   \else\ifnum\lastpenalty<\@M \dquad\fi\fi
7029 }%
7030 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
7031 \ignorespaces
7032 }
7033 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
7034 \renewenvironment{dsuspend}{%
7035   \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
7036   \parshape 1 \displayindent \displaywidth\relax
7037   \hsize=\columnwidth \noindent\ignorespaces
7038 }{%
7039   \par\egroup
7040   \global\setbox\GRP@box\vbox{%
7041     \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
7042     \unvbox\GRP@box
7043   }%
7044   \global\GRP@queue\@xp{\the\GRP@queue
7045     \@elt{\let\eq@isIntertext\@True}%
7046   }%
7047 }

```

36 File cals-xetex-bidi.def

```

7048 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX engine]
7049 \renewcommand\cals@setup@alignment[1]{%
7050 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
7051 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
7052 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
7053 }
7054 \renewcommand\cals@table@alignment{\ifRTLtab r\else l\fi}
7055 \renewenvironment{calstable}[1][\cals@table@alignment]{%
7056 \ifRTLtab\cals@activate@rtl\fi
7057 \let\cals@thead@tokens=\relax
7058 \let\cals@tfoot@tokens=\relax
7059 \let\cals@tbody@tokens=\relax
7060 \cals@tfoot@height=0pt \relax
7061 \let\cals@last@context=n%
7062 \let\cals@current@context=b%
7063 \parindent=0pt \relax%
7064 \cals@setup@alignment{#1}%
7065 \cals@setpadding{Ag}\cals@setcellprevdepth{A1}\cals@set@tohsize%
7066 %% Alignment inside is independent on center/flushright outside
7067 \parfillskip=0pt plus1fil\relax
7068 \let\cals@borderL=\relax
7069 \let\cals@borderR=\relax
7070 \let\cals@borderT=\relax
7071 \let\cals@borderB=\relax
7072 \setbox\cals@backup@row=\box\voidb@x\relax

```



```

7073 \cals@AtBeginTable
7074 }{% End of the table
7075 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
7076 \renewcommand\alignL{%
7077 \if@RTLtab
7078 \cals@vfillAdd\cals@paddingL
7079 \else
7080 \cals@vfillDrop\cals@paddingL
7081 \fi
7082 \cals@vfillDrop\cals@paddingR}
7083 \renewcommand\alignR{%
7084 \if@RTLtab
7085 \cals@vfillDrop\cals@paddingL
7086 \else
7087 \cals@vfillAdd\cals@paddingL
7088 \fi
7089 \cals@vfillDrop\cals@paddingR}

```

37 File caption-xetex-bidi.def

```

7090 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for XeTeX en
7091 \let\@makecaption\caption\@makecaption

```

38 File caption3-xetex-bidi.def

```

7092 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for XeTeX
7093 \renewcommand*\caption@par{%
7094 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

39 File colortbl-xetex-bidi.def

```

7095 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for XeTeX
7096 \def\CT@setup{%
7097 \@tempdimb\col@sep
7098 \@tempdimc\col@sep
7099 \def\CT@color{%
7100 \global\let\CT@do@color\CT@@do@color
7101 \bidicolor}}
7102 \def\@classz{\@classx
7103 \@tempcnta\count@
7104 \prepnext@tok
7105 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
7106 \@addtopreamble{\if@RTLtab\beginL\fi%
7107 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
7108 \ifcase \@chnum
7109 \hskip\stretch{.5}\kern\z@
7110 \d@llarbegin
7111 \insert@column
7112 \d@llarend\hskip\stretch{.5}\or
7113 \d@llarbegin \insert@column \d@llarend \hfill \or
7114 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
7115 $\vcenter
7116 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
7117 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
7118 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
7119 \fi

```



```

7120 \if@RTLtab\endR\fi\egroup\egroup
7121 \begingroup
7122 \CT@setup
7123 \CT@column@color
7124 \CT@row@color
7125 \CT@cell@color
7126 \CT@do@color
7127 \endgroup
7128 \@tempdima\ht\z@
7129 \advance\@tempdima\minrowclearance
7130 \vrule\@height\@tempdima\@width\z@
7131 \unhbox\z@\if@RTLtab\endL\fi}%
7132 \prepnext@tok}

```

40 File color-xetex-bidi.def

```

7133 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX engine]
7134 \long\def\color@b@x#1#2#3{%
7135 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
7136 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi\kern\fbboxsep}%
7137 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
7138 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
7139 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
7140 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
7141 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color}
7142 \DeclareRobustCommand\color{%
7143 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
7144 \def\@declaredcolor#1{%
7145 \@ifundefined{\string\color @#1}%
7146 {\c@lor@error{`#1'}}%
7147 {\expandafter\let\expandafter\current@color
7148 \csname\string\color @#1\endcsname
7149 \set@color}%
7150 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7151 \def\@undeclaredcolor[#1]#2{%
7152 \@ifundefined{color@#1}%
7153 {\c@lor@error{model `#1'}}%
7154 {\csname color@#1\endcsname\current@color{#2}%
7155 \set@color}%
7156 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7157 \DeclareRobustCommand\bicolor{%
7158 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
7159 \def\@bidiundeclaredcolor[#1]#2{%
7160 \@ifundefined{color@#1}%
7161 {\c@lor@error{model `#1'}}%
7162 {\csname color@#1\endcsname\current@color{#2}%
7163 \set@color}%
7164 \ignorespaces}
7165 \def\@bidideclaredcolor#1{%
7166 \@ifundefined{\string\color @#1}%
7167 {\c@lor@error{`#1'}}%
7168 {\expandafter\let\expandafter\current@color
7169 \csname\string\color @#1\endcsname
7170 \set@color}%
7171 \ignorespaces}
7172 \def\color@box#1#2{\color@b@x\relax{\bicolor#1{#2}}}
7173 \def\color@fbbox#1#2#3{%

```



```

7174 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}
7175 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode\if@RTL\be

```

41 File combine-xetex-bidi.def

```

7176 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX engi
7177 \renewcommand{\c@ll@chapsecii}[2]{%
7178 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7179 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7180 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7181 }
7182 \renewcommand{\c@ll@chapseci}{%
7183 \setlength\@tempdima{0em}%
7184 \begingroup
7185 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7186 \parfillskip -\@pnumwidth
7187 \leavevmode
7188 }
7189 \renewenvironment{tocindent}[1]{%
7190 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

42 File crop-xetex-bidi.def

```

7191 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX engine]
7192 \renewcommand*{\CROP@ulc{%
7193 \if@RTLmain%
7194 \begin{picture}(0,0)
7195 \unitlength\p@\thinline
7196 \put(-40,0){\circle{10}}
7197 \put(-30,-5){\line(0,1){10}}
7198 \put(-35,0){\line(1,0){30}}
7199 \put(-10,30){\circle{10}}
7200 \put(-5,30){\line(1,0){10}}
7201 \put(0,35){\line(0,-1){30}}
7202 \end{picture}%
7203 \else%
7204 \begin{picture}(0,0)
7205 \unitlength\p@\thinline
7206 \put(-30,0){\circle{10}}
7207 \put(-30,-5){\line(0,1){10}}
7208 \put(-35,0){\line(1,0){30}}
7209 \put(0,30){\circle{10}}
7210 \put(-5,30){\line(1,0){10}}
7211 \put(0,35){\line(0,-1){30}}
7212 \end{picture}%
7213 \fi%
7214 }
7215 \renewcommand*{\CROP@urc{%
7216 \if@RTLmain%
7217 \begin{picture}(0,0)
7218 \unitlength\p@\thinline
7219 \put(20,0){\circle{10}}
7220 \put(30,-5){\line(0,1){10}}
7221 \put(35,0){\line(-1,0){30}}
7222 \put(-10,30){\circle{10}}
7223 \put(-5,30){\line(1,0){10}}
7224 \put(0,35){\line(0,-1){30}}

```



```

7225 \end{picture}%
7226 \else%
7227 \begin{picture}(0,0)
7228 \unitlength\p@\thinlines
7229 \put(30,0){\circle{10}}
7230 \put(30,-5){\line(0,1){10}}
7231 \put(35,0){\line(-1,0){30}}
7232 \put(0,30){\circle{10}}
7233 \put(-5,30){\line(1,0){10}}
7234 \put(0,35){\line(0,-1){30}}
7235 \end{picture}%
7236 \fi%
7237 }
7238 \renewcommand*\CROP@llc{%
7239 \if@RTLmain%
7240 \begin{picture}(0,0)
7241 \unitlength\p@\thinlines
7242 \put(-40,0){\circle{10}}
7243 \put(-30,-5){\line(0,1){10}}
7244 \put(-35,0){\line(1,0){30}}
7245 \put(-10,-30){\circle{10}}
7246 \put(-5,-30){\line(1,0){10}}
7247 \put(0,-35){\line(0,1){30}}
7248 \end{picture}%
7249 \else%
7250 \begin{picture}(0,0)
7251 \unitlength\p@\thinlines
7252 \put(-30,0){\circle{10}}
7253 \put(-30,-5){\line(0,1){10}}
7254 \put(-35,0){\line(1,0){30}}
7255 \put(0,-30){\circle{10}}
7256 \put(-5,-30){\line(1,0){10}}
7257 \put(0,-35){\line(0,1){30}}
7258 \end{picture}%
7259 \fi%
7260 }
7261 \renewcommand*\CROP@lrc{%
7262 \if@RTLmain%
7263 \begin{picture}(0,0)
7264 \unitlength\p@\thinlines
7265 \put(20,0){\circle{10}}
7266 \put(30,-5){\line(0,1){10}}
7267 \put(35,0){\line(-1,0){30}}
7268 \put(-10,-30){\circle{10}}
7269 \put(-5,-30){\line(1,0){10}}
7270 \put(0,-35){\line(0,1){30}}
7271 \end{picture}%
7272 \else%
7273 \begin{picture}(0,0)
7274 \unitlength\p@\thinlines
7275 \put(30,0){\circle{10}}
7276 \put(30,-5){\line(0,1){10}}
7277 \put(35,0){\line(-1,0){30}}
7278 \put(0,-30){\circle{10}}
7279 \put(-5,-30){\line(1,0){10}}
7280 \put(0,-35){\line(0,1){30}}
7281 \end{picture}%

```



```

7282     \fi%
7283 }
7284 \@ifpackagewith{crop}{cam}{%
7285 \CROP@execopt{cam}%
7286 }{}

```

43 File cutwin-xetex-bidi.def

```

7287 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeTeX engi
7288 \renewcommand*{\c@twcompctr}[2]{%
7289   \def\c@twfirst{1}
7290   \loop\advance\c@twwinlines\m@ne
7291   \setbox\c@twslicea=vsplit#1 to\baselineskip
7292   \setbox\c@twsliceb=vsplit#1 to\baselineskip
7293   \c@twprune{\c@twslicea}{\c@twlftside}%
7294   \c@twprune{\c@twsliceb}{\c@twrtside}%
7295   \ifnum\c@twfirst=\@ne
7296     \setbox#2=\vbox{\unvbox#2\hbox
7297       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twslicea\else
7298     \else
7299     \setbox#2=\vbox{\unvbox#2\hbox
7300       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsl
7301   \fi
7302   \def\c@twfirst{2}
7303   \ifnum\c@twwinlines>\z@\repeat{
7304 \renewcommand*{\c@twcompodctr}[2]{%
7305   \def\c@twrounds{1}
7306   \def\c@twfirst{1}
7307   \@for\c@twlspec:=\c@twb\do{%
7308     \ifnum\c@twrounds=1
7309       \setbox\c@twslicea=vsplit#1 to\baselineskip % first of pair
7310       \c@twprune{\c@twslicea}{\c@twlspec}%
7311       \def\c@twrounds{2}
7312     \else
7313       \setbox\c@twsliceb=vsplit#1 to\baselineskip % second of pair
7314       \c@twprune{\c@twsliceb}{\c@twlspec}%
7315       \ifnum\c@twfirst=1
7316         \setbox#2=\vbox{\unvbox#2\hbox
7317           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@twsl
7318         \def\c@twfirst{2}
7319       \else
7320         \setbox#2=\vbox{\unvbox#2\hbox
7321           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
7322       \fi
7323       \def\c@twrounds{1}
7324     \fi}}

```

44 File cuted-xetex-bidi.def

```

7325 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for XeTeX engine
7326
7327 \def\RTL@outputdblcol{%
7328   \if@firstcolumn
7329     \global\@firstcolumnfalse
7330     \global\setbox\@leftcolumn\copy\@outputbox
7331     \splitmaxdepth\maxdimen
7332     \vbadness\maxdimen

```



```

7333 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7334 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7335 \toks@\expandafter{\topmark}%
7336 \xdef\@firstcoltopmark{\the\toks@}%
7337 \toks@\expandafter{\splitfirstmark}%
7338 \xdef\@firstcolfirstmark{\the\toks@}%
7339 \ifx\@firstcolfirstmark\@empty
7340 \global\let\@setmarks\relax
7341 \else
7342 \gdef\@setmarks{%
7343 \let\firstmark\@firstcolfirstmark
7344 \let\topmark\@firstcoltopmark}%
7345 \fi
7346 \else
7347 \global\@firstcolumntrue
7348 \setbox\@outputbox\vbox{%
7349 \hb@xt@\textwidth{%
7350 \hskip \columnwidth
7351 \hfil
7352 {\normalcolor\vrule \@width\columnseprule}%
7353 \hfil
7354 \hb@xt@\columnwidth{%
7355 \bidi@firstcolumn@status@write%
7356 \box\@leftcolumn \hss}%
7357 \hskip -\textwidth
7358 \hb@xt@\columnwidth{%
7359 \bidi@lastcolumn@status@write%
7360 \box\@outputbox \hss}%
7361 \hskip \columnsep
7362 \hskip \columnwidth }}%
7363 \ifvoid\hold@viper
7364 \else
7365 \setbox\@outputbox \vbox to\textheight{%
7366 \box\hold@viper
7367 \box\@outputbox
7368 \vss
7369 }%
7370 \fi
7371 \@combinedblfloats
7372 \@setmarks
7373 \@outputpage
7374 \beginingroup
7375 \@dblfloatplacement
7376 \@startdblcolumn
7377 \@whiles\if@fcolmade \fi{\@outputpage
7378 \@startdblcolumn}%
7379 \ifvoid\@viper
7380 \else
7381 \global\setbox\@viper\vbox{%
7382 \vskip-\stripsep
7383 \unvbox\@viper
7384 }%
7385 \@viperoutput
7386 \fi
7387 \endgroup
7388 \fi}%
7389

```




```

7390 \def\LTR@outputdblcol{%
7391   \if@firstcolumn
7392     \global\@firstcolumnfalse
7393     \global\setbox\@leftcolumn\copy\@outputbox
7394     \splitmaxdepth\maxdimen
7395     \vbadness\maxdimen
7396     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7397     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7398     \toks@\expandafter{\topmark}%
7399     \xdef\@firstcoltopmark{\the\toks@}%
7400     \toks@\expandafter{\splitfirstmark}%
7401     \xdef\@firstcolfirstmark{\the\toks@}%
7402     \ifx\@firstcolfirstmark\@empty
7403       \global\let\@setmarks\relax
7404     \else
7405       \gdef\@setmarks{%
7406         \let\firstmark\@firstcolfirstmark
7407         \let\topmark\@firstcoltopmark}%
7408     \fi
7409   \else
7410     \global\@firstcolumntrue
7411     \setbox\@outputbox\vbox{%
7412       \hb@xt@\textwidth{%
7413         \hb@xt@\columnwidth{%
7414           \bidi@firstcolumn@status@write%
7415           \box\@leftcolumn \hss}%
7416         \hfil
7417         {\normalcolor\vrule \@width\columnseprule}%
7418         \hfil
7419         \hb@xt@\columnwidth{%
7420           \bidi@lastcolumn@status@write%
7421           \box\@outputbox \hss}}}%
7422     \ifvoid\hold@viper
7423     \else
7424       \setbox\@outputbox \vbox to\textheight{%
7425         \box\hold@viper
7426         \box\@outputbox
7427         \vss
7428       }%
7429     \fi
7430   \@combinedblfloats
7431   \@setmarks
7432   \@outputpage
7433   \begingroup
7434     \@dblfloatplacement
7435     \@startdblcolumn
7436     \@whiles\if@fcolmade \fi{\@outputpage
7437       \@startdblcolumn}%
7438     \ifvoid\@viper
7439     \else
7440       \global\setbox\@viper\vbox{%
7441         \vskip-\stripsep
7442         \unvbox\@viper
7443       }%
7444       \@viperoutput
7445     \fi
7446   \endgroup

```



```

7447 \fi}%
7448
7449
7450 \def \@addviper {%
7451 \if@firstcolumn
7452 \insertfalse
7453 \@reqcolroom .5\@pageht
7454 \ht@viper\@reqcolroom
7455 \advance \@reqcolroom \ht@viper
7456 \advance \@reqcolroom \stripsep
7457 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7458 %%
7459 \@tempdimb \ht@viper
7460 \loop
7461 \setbox\v@aaa\copy\@holdpg
7462 \setbox\v@ccc\vbox to\@tempdimb{%
7463 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7464 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7465 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7466 \loop
7467 \setbox\v@aaa\copy\@holdpg
7468 \setbox\v@ccc\vbox to\@tempdimb{%
7469 \vsplit\v@aaa to\@tempdimb\vss}%
7470 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7471 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7472 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7473 \setbox\v@ccc\vbox to\@tempdimb{%
7474 \vsplit\@holdpg to\@tempdimb\vss}%
7475 %%
7476 \setbox\@tempboxa \vbox {%
7477 \hb@xt@\textwidth {%
7478 \ifRTLmain%
7479 \hskip \columnwidth
7480 \hfil \vrule width\columnseprule \hfil
7481 \hb@xt@\columnwidth {%
7482 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7483 \hskip -\textwidth
7484 \hb@xt@\columnwidth {%
7485 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7486 \hskip \columnsep
7487 \hskip \columnwidth
7488 \else%
7489 \hb@xt@\columnwidth {%
7490 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7491 \hfil
7492 \vrule \@width\columnseprule
7493 \hfil
7494 \hb@xt@\columnwidth {%
7495 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7496 \fi}%
7497 }%
7498 \ifvoid\hold@viper
7499 \global\setbox\hold@viper \vbox {%
7500 \unvbox\@tempboxa
7501 \penalty\interlinepenalty
7502 \vskip\stripsep
7503 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi

```



```

7504         \outputpenalty \z@
7505         }%
7506     \else
7507         \global\setbox\hold@viper \vbox {%
7508             \unvbox\hold@viper
7509             \unvbox\@tempboxa
7510             \penalty\interlinepenalty
7511             \vskip\stripsep
7512             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7513             \outputpenalty \z@
7514             }%
7515     \fi
7516     \ifdim \@colroom>\@reqcolroom
7517         \global\setbox\hold@viper \vbox {%
7518             \unvbox\hold@viper
7519             \box\@viper
7520             \penalty\interlinepenalty
7521             \vskip\stripsep
7522             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7523             \outputpenalty \z@
7524             }%
7525     \@inserttrue
7526     \advance\@tempdima by-\ht\hold@viper
7527     \global \advance \@colht \@tempdima
7528     \ifdim \@colht<2.5\baselineskip
7529         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7530             too tall on page \thepage (1 stulpelis)}}%
7531         \emptycol
7532         \if@firstcolumn
7533         \else
7534             \emptycol
7535         \fi
7536         \global\@lastvipertrue
7537     \else
7538         \global \vsize \@colht
7539         \global \@colroom \@colht
7540         \check@floats
7541         \ifdim\@tempdima>\z@
7542             \global\advance\@colroom by-\@tempdima
7543         \fi
7544         \ifdim\@colroom<\z@
7545             \global\@colroom 1pt
7546             \ifdim\@tempdima>\@colht
7547                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7548                     netelpa lape \thepage (1 stulpelis)}}%
7549             \fi
7550             \emptycol
7551             \if@firstcolumn
7552             \else
7553                 \emptycol
7554             \fi
7555             \global\@lastvipertrue
7556         \fi
7557     \fi
7558 \fi
7559 \else
7560     \@insertfalse

```



```

7561 \@reqcolroom\@colht
7562 \advance\@reqcolroom \@pageht
7563 \ht@viper.5\@reqcolroom
7564 \@reqcolroom\ht@viper
7565 \advance \@reqcolroom \ht@viper
7566 \advance \@reqcolroom \stripsep
7567 \if@flushend@auto@baselineskip
7568 \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7569 \global\lastskip@d\lastskip
7570 \global\lastskip@b\lastskip
7571 \loop
7572 \global\lastskip@a\lastskip@b
7573 \unskip\unpenalty
7574 \global\lastskip@b\lastskip
7575 \global\advance\lastskip@d by\lastskip
7576 \ifdim\lastskip@b=-\lastskip@a
7577 \global\advance\lastskip@d by-\lastskip
7578 \else
7579 \repeat
7580 \ifdim\lastskip@b=-\lastskip@a
7581 \ifdim\lastskip@b=\z@
7582 \setbox\lastbox@a\lastbox
7583 \global\advance\lastskip@d by\ht\lastbox@a
7584 \global\advance\lastskip@d by\lastskip
7585 \unskip\unpenalty
7586 \setbox\lastbox@a\lastbox
7587 \global\advance\lastskip@d by\dp\lastbox@a
7588 \else
7589 \global\lastskip@d\lastskip
7590 \global\advance\lastskip@d by\topskip
7591 \fi
7592 \fi
7593 \global\advance\lastskip@d by-\topskip
7594 }%
7595 \ifdim\ht\@holdpg>\@colht
7596 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7597 \par\egroup
7598 \vbox to \@colht{\unvbox\@holdpg\unskip}%
7599 }%
7600 \else
7601 \global\setbox\@holdpg\vbox{%
7602 \unvbox\@leftcolumn\unskip\unpenalty
7603 \vskip\lastskip@d
7604 \the\At@ViperColsBreak
7605 \unvbox\@holdpg
7606 \unskip
7607 }%
7608 \fi
7609 \else
7610 \global\setbox\@holdpg\vbox{%
7611 \unvbox\@leftcolumn
7612 \setbox\@tempboxa\lastbox
7613 \on@stripcols@break
7614 \the\At@ViperColsBreak
7615 \unvbox\@holdpg
7616 }%
7617 \fi

```



```

7618 \global\At@ViperColsBreak{}%
7619 \ht@viper .5\ht\@holdpg
7620 \ifdim \ht@viper>\@colht
7621 \ht@viper \@colht
7622 \fi
7623 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7624 %%
7625 \@tempdimb \ht@viper
7626 \loop
7627 \setbox\v@aaa\copy\@holdpg
7628 \setbox\v@ccc\vbox to\@tempdimb{%
7629 \vsplit\v@aaa to\@tempdimb
7630 \vss
7631 \vsplit\v@aaa to\@tempdimb
7632 }%
7633 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7634 \ifvoid\v@aaa
7635 \else
7636 \advance\@tempdimb 1\p@
7637 \repeat
7638 \loop
7639 \setbox\v@aaa\copy\@holdpg
7640 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7641 \wlog{(2)Left:\the\ht\v@ccc\space
7642 Right:\the\ht\v@aaa\space
7643 Output:\the\@tempdimb
7644 }%
7645 \ifdim\ht\v@ccc<\ht\v@aaa
7646 \@tempdimb \the\ht\v@aaa
7647 \repeat
7648 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7649 ^^JRight:\the\ht\v@aaa
7650 ^^JOutput:\the\@tempdimb
7651 }%
7652 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7653 \setbox\@tempboxa\vbox{%
7654 \hb@xt@\textwidth {%
7655 \if@RTLmain%
7656 \hskip \columnwidth
7657 \hfil \vrule width\columnseprule \hfil
7658 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7659 \hskip -\textwidth
7660 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7661 \hskip \columnsep
7662 \hskip \columnwidth
7663 \else
7664 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7665 \hfil
7666 \vrule \@width\columnseprule
7667 \hfil
7668 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7669 \fi%
7670 }%
7671 }%
7672 \ifvoid\hold@viper
7673 \global\setbox\hold@viper \vbox {%
7674 \unvbox\@tempboxa

```



```

7675         \penalty\interlinepenalty
7676         \vskip\stripsep
7677         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7678         \outputpenalty \z@
7679         }%
7680     \else
7681         \global\setbox\hold@viper \vbox {%
7682             \unvbox\hold@viper
7683             \unvbox\@tempboxa
7684             \penalty\interlinepenalty
7685             \vskip\stripsep
7686             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7687             \outputpenalty \z@
7688             }%
7689     \fi
7690     \ifdim \@colht>\@reqcolroom
7691         \global\setbox\hold@viper \vbox {%
7692             \unvbox\hold@viper
7693             \box\@viper
7694             \penalty\interlinepenalty
7695             \vskip\stripsep
7696             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7697             \outputpenalty \z@
7698             }%
7699     \@inserttrue
7700     \global\@firstcolumntrue
7701     \advance\@tempdima by-\ht\hold@viper
7702     \global \advance \@colht \@tempdima
7703     \ifdim \@colht<2.5\baselineskip
7704         \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7705             too tall on page \thepage (2 stulpelis)}%
7706     \@emptycol
7707     \if@firstcolumn
7708     \else
7709         \@emptycol
7710     \fi
7711     \global\@lastvipertrue
7712     \else
7713         \global \vsize \@colht
7714         \global \@colroom \@colht
7715         \check@floats
7716         \ifdim\@tempdima>\z@
7717             \global\advance\@colroom by-\@tempdima
7718         \fi
7719         \ifdim\@colroom<\z@
7720             \global\@colroom 1pt
7721             \ifdim\@tempdima>\@colht
7722                 \latex@warning@no@line {TOP ir/ar BOT FLOAT's
7723                     netelpa lape \thepage (2 stulpelis)}%
7724             \fi
7725             \@emptycol
7726             \if@firstcolumn
7727             \else
7728                 \@emptycol
7729             \fi
7730             \global\@lastvipertrue
7731     \fi

```



```

7732     \fi
7733     \fi
7734 \fi
7735 \if@insert
7736 \else
7737     \advance\@tempdima by-\ht\hold@viper
7738     \global \advance \@colht \@tempdima
7739     \global\setbox\hold@viper \vbox {%
7740                                     \unvbox\hold@viper
7741                                     \csname viper@top@hook\endcsname
7742                                     \vsplit\@viper to \colht
7743                                     \vss
7744                                     }%
7745     \vbox{}%
7746     \global\@firstcolumnfalse
7747     \newpage
7748 \fi
7749 }

```

45 File cvthemebidicasual.sty

```

7750 \NeedsTeXFormat{LaTeX2e}
7751 \ProvidesPackage{cvthemebidicasual}
7752 \DeclareOption{blue}{}
7753 \newif\if@colourorange\@colourorangefalse
7754 \DeclareOption{orange}{\@colourorangetrue}
7755 \newif\if@colourgreen\@colourgreennfalse
7756 \DeclareOption{green}{\@colourgreentrue}
7757 \newif\if@colourred\@colourredfalse
7758 \DeclareOption{red}{\@colourredtrue}
7759 \newif\if@colourgrey\@colourgreyfalse
7760 \DeclareOption{grey}{\@colourgreytrue}
7761 \DeclareOption*{
7762   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7763 \ExecuteOptions{colour}
7764 \ProcessOptions\relax
7765 \renewcommand*{\listitemsymbol}{\textbullet}
7766 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7767 \familynamecolour{808080}
7768 \firstnamecolour{A9A9A9}
7769 \quotecolour{696969}
7770 \addresscolour{696969}
7771 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7772 \sectiontitlecolour{1E90FF}
7773 \subsectioncolour{4682B4}
7774 \definecolor{rulecolour}{gray}{0.6}
7775 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7776 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7777 \if@colourorange
7778   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7779   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7780   \sectiontitlecolour{FF8C00}
7781   \subsectioncolour{FF8C00}
7782   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7783   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7784 \if@colourgreen
7785   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}

```



```

7786 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7787 \sectiontitlecolour{008000}
7788 \subsectioncolour{008000}
7789 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7790 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7791 \if@coloured
7792 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7793 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7794 \sectiontitlecolour{FF0000}
7795 \subsectioncolour{FF0000}
7796 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7797 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7798 \if@colourgrey
7799 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7800 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7801 \sectiontitlecolour{808080}
7802 \subsectioncolour{808080}
7803 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7804 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7805 \renewcommand*{\ttdefault}{pcr}
7806 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7807 \renewcommand*{\familynamefont}{\firstnamefont}
7808 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7809 \renewcommand*{\quoteontext}{\large\slshape}
7810 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7811 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7812 \renewcommand*{\maketitle}{%
7813   {%
7814     \ifthenelse{\isundefined{\@photo}}{%
7815       {}%
7816       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7817     \hfill%
7818     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7819     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7820     \ifthenelse{\isundefined{\@quote}}{%
7821       {}%
7822       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]}%
7823     }%
7824 \newif\if@firstfooterelement\@firstfooterelementtrue
7825 \providecommand*{\footersymbol}{%
7826 \renewcommand*{\footersymbol}{%
7827 \if@firstfooterelement%
7828 \else%
7829 {~~\color{footersymbolcolor}\textbullet~~}\fi}
7830 \providecommand*{\makefooter}{%
7831 \renewcommand*{\makefooter}{%
7832 \fancypagestyle{plain}{%
7833 \fancyfoot[c]{%
7834 \parbox{0.8\textwidth}{%
7835 \centering%
7836 \addressfont\@addresscolour%
7837 \ifthenelse{\isundefined{\@address}}{}{}%
7838 \addresssymbol~\@address\\%
7839 \if@firstfooterelementfalse%
7840 \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7841 \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7842 \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%

```




```

7843     \ifthenelse{\isundefined{\@email}}{\footersymbol\emailsymbol~\emaillink{\@email}\@firstfooterele
7844     \ifthenelse{\isundefined{\@extrainfo}}{\footersymbol\@extrainfo\@firstfooterelementfalse}}}%
7845 }%
7846 \pagestyle{plain}}
7847 \AtBeginDocument{\makefooter}

```

46 File cvthemebidiclassic.sty

```

7848 \NeedsTeXFormat{LaTeX2e}
7849 \ProvidesPackage{cvthemebidiclassic}
7850 \DeclareOption{blue}{}
7851 \newif\if@colourorange\@colourorangefalse
7852 \DeclareOption{orange}{\@colourorangertrue}
7853 \newif\if@colourgreen\@colourgreenfalse
7854 \DeclareOption{green}{\@colourgreentrue}
7855 \newif\if@colourred\@colourredfalse
7856 \DeclareOption{red}{\@colourredtrue}
7857 \newif\if@colourgrey\@colourgreyfalse
7858 \DeclareOption{grey}{\@colourgreytrue}
7859 \DeclareOption*{
7860   \PackageWarning{cvthemebidiclassic}{Unknown option '\CurrentOption'}}
7861 \ExecuteOptions{colour}
7862 \ProcessOptions\relax
7863 \renewcommand*{\listitemsymbol}{\textbullet}
7864 \firstnamecolour{}
7865 \familynamecolour{}
7866 \titlecolour{808080}
7867 \quotecolour{696969}
7868 \addresscolour{696969}
7869 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7870 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7871 \sectiontitlecolour{1E90FF}
7872 \subsectioncolour{4682B4}
7873 \if@colourorange
7874   \addresscolour{FF8C00}
7875   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7876   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7877   \sectiontitlecolour{FF8C00}
7878   \subsectioncolour{FF8C00}\fi
7879 \if@colourgreen
7880   \addresscolour{008000}
7881   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7882   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7883   \sectiontitlecolour{008000}
7884   \subsectioncolour{008000}\fi
7885 \if@colourred
7886   \addresscolour{FF0000}
7887   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7888   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7889   \sectiontitlecolour{FF0000}
7890   \subsectioncolour{FF0000}\fi
7891 \if@colourgrey
7892   \addresscolour{808080}
7893   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7894   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7895   \sectiontitlecolour{808080}
7896   \subsectioncolour{808080}\fi

```



```

7897 \renewcommand*{\ttdefault}{pcr}
7898 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7899 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7900 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7901 \renewcommand*{\familynamefont}{\firstnamefont}
7902 \renewcommand*{\quoteont}{\large\slshape}
7903 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7904 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7905 \newlength{\maketitlenamemaxwidth}
7906 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7907 \newlength{\maketitlenamewidth}
7908 \setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
7909 \newlength{\maketitlepicturewidth}
7910 \setlength{\maketitlepicturewidth}{\@photowidth}
7911 \newlength{\maketitledetailswidth}
7912 \renewcommand*{\recomputethemelengths}{%
7913   \setlength{\maketitledetailswidth}{\textwidth}%
7914   \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
7915   \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7916   \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}}
7917 \recomputethemelengths
7918 \newif\iffirstdetailselement\@firstdetailselementtrue
7919 \newcommand*{\maketitledetailsnewline}{%
7920   \iffirstdetailselement%
7921     \@firstdetailselementfalse%
7922   \else%
7923     \[.2em]\fi}
7924 \renewcommand*{\maketitle}{%
7925   % name and title
7926   \begin{minipage}[b]{\maketitlenamewidth}%
7927     \firstnamefont{\@firstname~}\familynamefont{\@familyname}%
7928     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlefont{\@title}}{}%
7929   \end{minipage}%
7930   % optional data
7931   \begin{minipage}[b]{\maketitledetailswidth}%
7932     \bidi@raggedleft\addressfont\addresscolour%
7933     \ifthenelse{\isundefined{\@address}}{\[.2em]}{}%
7934     \maketitledetailsnewline%
7935     \addresssymbol-\@address%
7936     \ifthenelse{\isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol-\@mobile}%
7937     \ifthenelse{\isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol-\@phone}%
7938     \ifthenelse{\isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol-\@fax}%
7939     \ifthenelse{\isundefined{\@email}}{\maketitledetailsnewline\emailsymbol-\@email}%
7940     \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
7941   \end{minipage}%
7942   % optional photo
7943   \ifthenelse{\isundefined{\@photo}}{\[.2em]}{}%
7944   {\hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@photo}}}%
7945   % optional quote
7946   \ifthenelse{\isundefined{\@quote}}{\[.2em]}{}%
7947   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]}%
7948 }

```



47 File dblfnote-xetex-bidi.def

```

7953 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for XeTeX
7954 \let\autofooterule\relax
7955 \let\rightfootnoterule\relax
7956 \let\leftfootnoterule\relax
7957 \let\textwidthfootnoterule\relax
7958 \let\LRfootnoterule\relax
7959 \def\footnoterule{\kern-3\p@
7960   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7961 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7962 \let\@footnotetext\dfn@footnotetext}
7963 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7964   \let\insert\dfn@gobble
7965   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7966   \def\@makefnmark{\smash{\dfn@makefnmark}}
7967   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7968   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7969   \ifdim\dfn@dima>z@\else
7970     \dfn@dima1sp\relax
7971     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7972   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7973     \ifvoid\dfn@ins\else
7974       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7975     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7976   \setbox\dfn@boxa\copy\dfn@ins
7977   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7978   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7979   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7980   \insert\footins{\floatingpenalty\MM \vbox to\@tempdima{}}%
7981   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7982 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7983 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7984 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7985   \let\insert\dfn@gobble
7986   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7987   \def\@makefnmark{\smash{\dfn@makefnmark}}
7988   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7989   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7990   \ifdim\dfn@dima>z@\else
7991     \dfn@dima1sp\relax
7992     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7993   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7994     \ifvoid\dfn@ins\else
7995       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7996     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7997   \setbox\dfn@boxa\copy\dfn@ins
7998   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7999   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
8000   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
8001   \insert\footins{\floatingpenalty\MM \vbox to\@tempdima{}}%
8002   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
8003 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
8004 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
8005 \def\dfn@RTLmakecol{\ifvoid\footins\else
8006   \dfn@dima\ht\footins
8007   \@tempcnta\z@ \dfn@countins

```



```

8008 \tempdima\z@ \let\@elt\dfn@elt@getht
8009 \dfn@list\@nil
8010 \ifdim\@tempdima=\z@\else
8011 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8012 \global\setbox\dfn@ins\box\dfn@ins
8013 \@tempswatrue
8014 \ifdfn@trysingle
8015 \setbox\dfn@boxb\ vbox{\unvcopy\@cclv}\@tempdima\@colroom
8016 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8017 \advance\@tempdima-\skip\footins
8018 \advance\@tempdima-\ht\dfn@boxa
8019 \ifdim\@tempdima<\z@\else \@tempswafalse
8020 \global\setbox\footins\ vbox{\boxmaxdepth\dfn@fnmaxdp
8021 \footnoterule \unvbox\dfn@boxa}\fi\fi
8022 \if@tempswa
8023 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8024 \global\setbox\footins\ vbox{\hbox{%
8025 \hskip \DFNcolumnwidth
8026 \hskip\DFNcolumnsep
8027 \hbox to\DFNcolumnwidth{\ vbox to\@tempdima{\footnoterule
8028 \unvbox\dfn@boxb\vss}\hss}
8029 \hskip -\textwidth
8030 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8031 \vbox to\@tempdima{
8032 \setbox\@tempboxa\ vbox{\footnoterule}
8033 \ifdfn@ruleboth \unvbox\@tempboxa
8034 \else \@tempdima\ht\@tempboxa
8035 \advance\@tempdima\dp\@tempboxa
8036 \vskip\@tempdima
8037 \prevdepth\dp\@tempboxa \fi
8038 \unvbox\dfn@boxa\vss}\fi\hss}
8039 \hskip \DFNcolumnsep
8040 \hskip \DFNcolumnwidth}}\fi\fi
8041 \global\dfn@fnht\z@
8042 \ifx\dfn@list\@empty\else
8043 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8044 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8045 \let\@elt\relax
8046 \ifdim\dfn@dimb>\z@
8047 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8048 \insert\footins{\floatingpenalty\@MM
8049 \vbox to\dfn@dimb{}}\fi
8050 \ifdim\dfn@fnht>\@tempdima
8051 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8052 \global\dfn@fnht\@tempdima
8053 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8054 \xdef\dfn@afteroutput{\insert\footins{
8055 \floatingpenalty\@MM
8056 \vbox to\number\@tempdimb sp{}}}%
8057 \global\let\noexpand\dfn@afteroutput\relax}%
8058 \fi\fi
8059 \fi}%
8060 \let\footnoterule\relax \dfn@latex@makecol
8061 \let\footnoterule\dfn@footnoterule}
8062 \def\dfn@LTRmakecol{\ifvoid\footins\else
8063 \dfn@dima\ht\footins
8064 \@tempcnta\z@ \dfn@countins

```



```

8065 \tempdima\z@ \let\@elt\dfn@elt@getht
8066 \dfn@list\@nil
8067 \ifdim\tempdima=\z@\else
8068 \dfn@split\tempdima\dfn@ins\dfn@boxa\z@\z@
8069 \global\setbox\dfn@ins\box\dfn@ins
8070 \tempswatruue
8071 \ifdfn@trysingle
8072 \setbox\dfn@boxb\ vbox{\unvcopy\@cclv}\@tempdima\@colroom
8073 \advance\tempdima-\ht\dfn@boxb \advance\tempdima-\dp\dfn@boxb
8074 \advance\tempdima-\skip\footins
8075 \advance\tempdima-\ht\dfn@boxa
8076 \ifdim\tempdima<\z@\else \tempswafalse
8077 \global\setbox\footins\ vbox{\boxmaxdepth\dfn@fnmaxdp
8078 \footnoterule \unvbox\dfn@boxa}\fi\fi
8079 \if@tempswa
8080 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8081 \global\setbox\footins\ vbox{\hbox{%
8082 \hbox to\DFNcolumnwidth{\vbox to\tempdima{\footnoterule
8083 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
8084 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8085 \vbox to\tempdima{
8086 \setbox\tempboxa\ vbox{\footnoterule}
8087 \ifdfn@ruleboth \unvbox\tempboxa
8088 \else \tempdima\ht\tempboxa
8089 \advance\tempdima\dp\tempboxa
8090 \vskip\tempdima
8091 \prevdepth\dp\tempboxa \fi
8092 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
8093 \global\dfn@fnht\z@
8094 \ifx\dfn@list\@empty\else
8095 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8096 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8097 \let\@elt\relax
8098 \ifdim\dfn@dimb>\z@
8099 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8100 \insert\footins{\floatingpenalty\@MM
8101 \vbox to\dfn@dimb{}}\fi
8102 \ifdim\dfn@fnht>\tempdima
8103 \tempdimb\tempdima \advance\tempdimb-\dfn@fnht
8104 \global\dfn@fnht\tempdima
8105 \xdef\dfn@list{\dfn@list\@elt{0}{\number\tempdimb}}%
8106 \xdef\dfn@afteroutput{\insert\footins{
8107 \floatingpenalty\@MM
8108 \vbox to\number\tempdimb sp{}}%
8109 \global\let\noexpand\dfn@afteroutput\relax}%
8110 \fi\fi
8111 \fi}%
8112 \let\footnoterule\relax \dfn@latex@makecol
8113 \let\footnoterule\dfn@footnoterule}
8114 \renewcommand{\dfn@makecol}{\ifRTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
8115 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
8116 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
8117 \DFNalwaysdouble

```

48 File diagbox-xetex-bidi.def

8118 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for XeTeX en



```

8119 \bidi@patchcmd{\diagbox@double}{%
8120   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8121 }{\bidi@diagbox@double@ii}{}%
8122 \bidi@patchcmd{\diagbox@double}{%
8123   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}%
8124 }{\bidi@diagbox@double@iii}{}%
8125 \newcommand*{\bidi@diagbox@double@ii}{%
8126   \if@RTL
8127     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}%
8128   \else
8129     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8130   \fi
8131 }
8132 \newcommand*{\bidi@diagbox@double@iii}{%
8133   \if@RTL
8134     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8135   \else
8136     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}%
8137   \fi
8138 }
8139 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8140   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8141 }{\bidi@diagbox@triple@setbox@NW@tabular@i@ii}{}%
8142 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8143   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8144 }{\bidi@diagbox@triple@setbox@NW@tabular@i@ii}{}%
8145 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8146   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}%
8147 }{\bidi@diagbox@triple@setbox@NW@tabular@iii}{}%
8148 \newcommand*{\bidi@diagbox@triple@setbox@NW@tabular@i@ii}{%
8149   \if@RTL
8150     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}%
8151   \else
8152     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8153   \fi
8154 \newcommand*{\bidi@diagbox@triple@setbox@NW@tabular@iii}{%
8155   \if@RTL
8156     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8157   \else
8158     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}%
8159   \fi
8160 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
8161 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8162   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
8163 }{\bidi@diagbox@triple@setbox@SE@tabular@i}{}%
8164 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8165   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8166 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{}%
8167 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8168   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8169 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{}%
8170 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@i}{%
8171   \if@RTL
8172     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
8173   \else
8174     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
8175   \fi

```



```

8176 }
8177 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{%
8178   \if@RTL
8179     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8180     \else
8181       \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8182     \fi
8183 }
8184 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
8185 \bidi@patchcmd{\diagbox@double@pict@SE}{%
8186   \diagbox@setlinecolor
8187   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8188 }{%
8189   {\diagbox@setlinecolor
8190     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
8191 }{}{}
8192 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
8193 \bidi@patchcmd{\diagbox@double@pict@NE}{%
8194   \diagbox@setlinecolor
8195   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
8196 }{%
8197   {\diagbox@setlinecolor
8198     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8199 }{}{}
8200 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8201 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8202   \diagbox@setlinecolor
8203   \Line(0,\yym)(\x,0)
8204   \Line(\xm,\y)(\x,0)%
8205 }{%
8206   {\diagbox@setlinecolor
8207     \Line(0,\yym)(\x,0)
8208     \Line(\xm,\y)(\x,0)}%
8209 }{}{}
8210 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8211   \diagbox@setlinecolor
8212   \Line(0,0)(\xxm,\y)
8213   \Line(0,0)(\x,\yym)%
8214 }{%
8215   {\diagbox@setlinecolor
8216     \Line(0,0)(\xxm,\y)
8217     \Line(0,0)(\x,\yym)}%
8218 }{}{}
8219 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8220   \diagbox@setlinecolor
8221   \Line(0,\ym)(\x,\y)
8222   \Line(\xm,0)(\x,\y)%
8223 }{%
8224   {\diagbox@setlinecolor
8225     \Line(0,\ym)(\x,\y)
8226     \Line(\xm,0)(\x,\y)}%
8227 }{}{}
8228 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8229   \diagbox@setlinecolor
8230   \Line(0,\y)(\xxm,0)
8231   \Line(0,\y)(\x,\ym)%
8232 }{%

```



```

8233 {\diagbox@setlinecolor
8234 \Line(0,\y)(\xxm,0)
8235 \Line(0,\y)(\x,\ym)}%
8236 }{}{}

```

49 File draftwatermark-xetex-bidi.def

```

8237 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark packag
8238 \renewcommand\SetWatermarkText[1]{%
8239 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

50 File eso-pic-xetex-bidi.def

```

8240 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for XeTeX en
8241 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8242 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}%
8243
8244 \ESO@isMEMOIR{%
8245 \renewcommand\AtTextUpperLeft[1]{%
8246 \begingroup
8247 \ifodd\c@page
8248 \@tempdima=\spinemargin
8249 \else
8250 \@tempdima=\paperwidth
8251 \advance\@tempdima-\textwidth
8252 \advance\@tempdima-\spinemargin
8253 \fi
8254 \@tempdimb=-\uppermargin
8255 \AtPageUpperLeft{%
8256 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}}%
8257 }%
8258 \endgroup
8259 }
8260 }{%
8261 \renewcommand\AtTextUpperLeft[1]{%
8262 \begingroup
8263 \@tempdima=1in\relax
8264 \ifodd\c@page
8265 \advance\@tempdima\oddsidemargin
8266 \else
8267 \advance\@tempdima\evensidemargin
8268 \fi
8269 \@tempdimb=-1in\relax
8270 \advance\@tempdimb-\topmargin
8271 \advance\@tempdimb-\headheight
8272 \advance\@tempdimb-\headsep
8273 \AtPageUpperLeft{%
8274 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}}%
8275 }%
8276 \endgroup
8277 }
8278 }

```

51 File empheq-xetex-bidi.def

```

8279 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for XeTeX engi

```




```

8280 \MHInternalSyntaxOn
8281 \def\EQ_tag_plus_endmark:{%
8282   \iftagsleft@
8283     \gdef\maketag@@@##1{%
8284       \hfuzz\displaywidth
8285       \ifRTL\makebox[\widthof{##1}][r]{%
8286         \hbox to \displaywidth{\m@th\normalfont##1\hss
8287           \raisebox{-\dp\EQ_mathdisplay_box
8288             -\depthof{\EQ_outerbox:}}{
8289             {\PotEndMark{\hss}}}}
8290       \else\makebox[\widthof{##1}][l]{%
8291         \hbox to \displaywidth{\m@th\normalfont##1\hss
8292           \raisebox{-\dp\EQ_mathdisplay_box
8293             -\depthof{\EQ_outerbox:}}{
8294             {\PotEndMark{\hss}}}}}\fi}%
8295 \MH_else:
8296   \gdef\maketag@@@##1{%
8297     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
8298       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
8299     \MH_addtolength:dn \@tempdima
8300       {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8301     \setlength{\@tempdimb}
8302       {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
8303       +\depthof{\EQ_innerbox:}}}%
8304     \MH_if_dim:w \@tempdima>\@tempdimb
8305     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8306       -\@tempdima+\g_EQ_bottomrow_depth_dim}
8307     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
8308     \def\EQ_next:{\raisebox{\@tempdima}}}%
8309   \MH_else:
8310     \def\EQ_next:{
8311       \raisebox{-\dp\EQ_mathdisplay_box
8312         -\depthof{\EQ_outerbox:}}}%
8313   \MH_fi:\EQ_next:}}}%
8314 \MH_fi:}
8315 \def\EQ_post_process:{%
8316   \EQ_initialize:
8317   \EQ_begin_equation:
8318   \MH_if_boolean:nT {outer_mult}{
8319     \setkeys{\MT_options_name:}{
8320       firstline-afterskip=Opt,
8321       lastline-preskip=Opt,
8322       multlined-width=Opt,
8323     }
8324     \ifodd \l_EQ_alignmentmode_int
8325       \setkeys{\MT_options_name:}{multlined-pos=b}
8326     \MH_else:
8327       \setkeys{\MT_options_name:}{multlined-pos=t}
8328     \MH_fi:
8329     \g@addto@macro\EQ_complete_mathdisplay:{
8330       \begin{MTmultlined}\relax}
8331   }
8332   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8333   \MH_if_boolean:nT {outer_mult}{
8334     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8335   }
8336   \EQ_end_equation:

```



```

8337 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8338 \savecounters@
8339 \EQ_typeset_tags:
8340 \edef\l_EQ_equation_fint{\number\c@equation}
8341 \restorecounters@
8342 \Hy@linkcounter=\EQ_hyperref_link_fint
8343 \settowidth\l_EQ_totalwidth_dim{%
8344   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
8345 \MH_if_boolean:nTF {outer_mult}
8346   { \def\EQ_next:{_mult} }
8347   { \def\EQ_next:{} }
8348 \@nameuse{EQ_modify_linewidth_
8349   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8350 \EQ_typeset_display:
8351 \@nameuse{EQ_find_displaywidth_
8352   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8353 \MH_addtolength:dn
8354   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8355 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8356   $\EQ_left_side:
8357   \EQ_innerbox:{%
8358     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8359     \makebox[\l_EQ_displaywidth_dim][c]
8360     {\usebox{\EQ_mathdisplay_box}}%
8361   \MH_or:
8362     \makebox[\l_EQ_displaywidth_dim][c]
8363     {\usebox{\EQ_mathdisplay_box}}%
8364   \MH_or:
8365     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8366       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8367       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8368       \kern-\@mathmargin
8369       \MH_fi:
8370     \MH_fi:
8371     \usebox{\EQ_mathdisplay_box}}%
8372   \else\makebox[\l_EQ_displaywidth_dim][l]{%
8373     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8374     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8375     \kern-\@mathmargin
8376     \MH_fi:
8377     \MH_fi:
8378     \usebox{\EQ_mathdisplay_box}}\fi%
8379   \MH_or:
8380     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8381       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8382       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8383       \kern-\@mathmargin
8384       \MH_fi:
8385     \MH_fi:
8386     \usebox{\EQ_mathdisplay_box}}
8387   \else\makebox[\l_EQ_displaywidth_dim][l]{%
8388     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8389     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8390     \kern-\@mathmargin
8391     \MH_fi:
8392     \MH_fi:
8393     \usebox{\EQ_mathdisplay_box}}\fi%

```



```

8394 \MH_fi:}%
8395 \EQ_right_side:$}%
8396 \begin{AmSequation*}
8397 \@nameuse{EQ_place_display_
8398 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8399 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8400 \MH_set_boolean_T:n {show_manual_tags}
8401 \MH_if_case:w \l_EQ_alignmentmode_int
8402 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
8403 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
8404 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
8405 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
8406 \MH_fi:
8407 \MH_fi:
8408 \end{AmSequation*}
8409 \global\c@equation=\l_EQ_equation_fint\relax
8410 }
8411 \AtBeginDocument{%
8412 \@ifpackageloaded{fancybox}{%
8413 \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8414 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
8415 \renewcommand*\shadowbox{%
8416 \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
8417 \VerbBox\EQ_shadowbox:n}
8418 {\MH_set_boolean_F:n {shadowbox_star}
8419 \VerbBox\EQ_shadowbox:n}}
8420 \def\EQ_shadowbox:n #1{%
8421 \sbox{\z@}{\fbox{#1}}%
8422 \MH_if_boolean:nTF {shadowbox_star}{
8423 \MH_setlength:dn \@tempdima{\z@}%
8424 }{
8425 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8426 }
8427 \raisebox{\@tempdima}{%
8428 \if@RTL\makebox[\z@][r]{%
8429 \kern\shadowsize \textcolor{shadowcolor}{%
8430 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8431 }%
8432 \else\makebox[\z@][l]{%
8433 \kern\shadowsize \textcolor{shadowcolor}{%
8434 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8435 }\fi%
8436 \usebox\z@\textcolor{shadowcolor}{%
8437 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8438 }{}%
8439 }
8440 \MHInternalSyntaxOff

```

52 File extarticle-xetex-bidi.def

```

8441 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class for XeTeX]
8442 \renewcommand*\l@section[2]{%
8443 \ifnum \c@tocdepth >\z@
8444 \addpenalty\@secpenalty
8445 \addvspace{1.0em \@plus\p@}%
8446 \setlength\@tempdima{1.5em}%
8447 \begingroup

```



```

8448 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8449 \parfillskip -\@pnumwidth
8450 \leavevmode \bfseries
8451 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8452 \hskip -\if@RTL\rightskip\else\leftskip\fi
8453 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8454 \endgroup
8455 \fi}
8456 \renewcommand*\l@part[2]{%
8457 \ifnum \c@tocdepth >-2\relax
8458 \addpenalty\@secpenalty
8459 \addvspace{2.25em \@plus\p@}%
8460 \begingroup
8461 \setlength\@tempdima{3em}%
8462 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8463 \parfillskip -\@pnumwidth
8464 {\leavevmode
8465 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8466 \nobreak
8467 \endgroup
8468 \fi}
8469 \def\@part[#1]#2{%
8470 \ifnum \c@secnumdepth >\m@ne
8471 \refstepcounter{part}%
8472 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8473 \else
8474 \addcontentsline{toc}{part}{#1}%
8475 \fi
8476 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8477 \interlinepenalty \@M
8478 \normalfont
8479 \ifnum \c@secnumdepth >\m@ne
8480 \Large\bfseries \partname~\thepart
8481 \par\nobreak
8482 \fi
8483 \huge \bfseries #2%
8484 \markboth{}{}\par}%
8485 \nobreak
8486 \vskip 3ex
8487 \@afterheading}
8488 \def\@spart#1{%
8489 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8490 \interlinepenalty \@M
8491 \normalfont
8492 \huge \bfseries #1\par}%
8493 \nobreak
8494 \vskip 3ex
8495 \@afterheading}
8496 \renewenvironment{thebibliography}[1]
8497 {\section*{\refname
8498 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8499 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8500 \bidi@thebibliography@font@hook%
8501 \list{\@biblabel{\@arabic\c@enumiv}}%
8502 {\settowidth\labelwidth{\@biblabel{#1}}%
8503 \leftmargin\labelwidth
8504 \advance\leftmargin\labelsep

```



```

8505         \@openbib@code
8506         \usecounter{enumiv}%
8507         \let\p@enumiv\@empty
8508         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8509     \sloppy\clubpenalty4000\widowpenalty4000%
8510     \sfcode`.\@m}
8511     {\def\@noitemerr
8512       {\@latex@warning{Empty `thebibliography' environment}}}%
8513     \endlist}
8514 \renewcommand\left@footnoterule{%
8515   \kern-3\p@
8516   \hrule\@width.4\columnwidth
8517   \kern2.6\p@}
8518 \renewcommand\right@footnoterule{%
8519   \kern-3\p@
8520   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8521   \kern2.6\p@}
8522   \if@titlepage
8523   \renewcommand\maketitle{\begin{titlepage}%
8524     \let\footnotesize\small
8525     \let\right@footnoterule\relax
8526     \let\left@footnoterule\relax
8527     \let\textwidth\footnoterule\relax
8528     \let \footnote \thanks
8529     \null\vfil
8530     \vskip 60\p@
8531     \begin{center}%
8532       {\LARGE \@title \par}%
8533       \vskip 3em%
8534       {\large
8535         \lineskip .75em%
8536         \begin{tabular}[t]{c}%
8537           \@author
8538         \end{tabular}}\par}%
8539       \vskip 1.5em%
8540       {\large \@date \par}%           % Set date in \large size.
8541     \end{center}\par
8542     \@thanks
8543     \vfil\null
8544   \end{titlepage}%
8545   \setcounter{footnote}{0}%
8546   \global\let\thanks\relax
8547   \global\let\maketitle\relax
8548   \global\let\@thanks\@empty
8549   \global\let\@author\@empty
8550   \global\let\@date\@empty
8551   \global\let\@title\@empty
8552   \global\let\title\relax
8553   \global\let\author\relax
8554   \global\let\date\relax
8555   \global\let\and\relax
8556 }
8557 \else
8558 \renewcommand\maketitle{\par
8559   \begingroup
8560     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8561     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%

```



```

8562 \long\def\@makefntext##1{\parindent 1em\noindent
8563 \hb@xt@1.8em{%
8564 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8565 \if@twocolumn
8566 \ifnum \col@number=\@ne
8567 \maketitle
8568 \else
8569 \twocolumn[\@maketitle]%
8570 \fi
8571 \else
8572 \newpage
8573 \global\@topnum\z@ % Prevents figures from going at top of page.
8574 \maketitle
8575 \fi
8576 \thispagestyle{plain}\@thanks
8577 \endgroup
8578 \setcounter{footnote}{0}%
8579 \global\let\thanks\relax
8580 \global\let\maketitle\relax
8581 \global\let\@maketitle\relax
8582 \global\let\@thanks\@empty
8583 \global\let\@author\@empty
8584 \global\let\@date\@empty
8585 \global\let\@title\@empty
8586 \global\let\title\relax
8587 \global\let\author\relax
8588 \global\let\date\relax
8589 \global\let\and\relax
8590 }
8591 \def\@maketitle{%
8592 \newpage
8593 \null
8594 \vskip 2em%
8595 \begin{center}%
8596 \let \footnote \thanks
8597 {\LARGE \@title \par}%
8598 \vskip 1.5em%
8599 {\large
8600 \lineskip .5em%
8601 \begin{tabular}[t]{c}%
8602 \@author
8603 \end{tabular}\par}%
8604 \vskip 1em%
8605 {\large \@date}%
8606 \end{center}%
8607 \par
8608 \vskip 1.5em}
8609 \fi
8610 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8611 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8612 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8613 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

53 File extbook-xetex-bidi.def

```

8614 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for XeTeX engi
8615 \if@titlepage

```



```

8616 \renewcommand\maketitle{\begin{titlepage}%
8617 \let\footnotesize\small
8618 \let\right@footnoterule\relax
8619 \let\left@footnoterule\relax
8620 \let\textwidth@footnoterule\relax
8621 \let \footnote \thanks
8622 \let \LTRfootnote \LTRthanks
8623 \let \RTLfootnote \RTLthanks
8624 \null\vfil
8625 \vskip 60\p@
8626 \begin{center}%
8627 {\LARGE \@title \par}%
8628 \vskip 3em%
8629 {\large
8630 \lineskip .75em%
8631 \begin{tabular}[t]{c}%
8632 \@author
8633 \end{tabular}\par}%
8634 \vskip 1.5em%
8635 {\large \@date \par}% % Set date in \large size.
8636 \end{center}\par
8637 \@thanks
8638 \vfil\null
8639 \end{titlepage}%
8640 \setcounter{footnote}{0}%
8641 \global\let\thanks\relax
8642 \global\let\LTRthanks\relax
8643 \global\let\RTLthanks\relax
8644 \global\let\maketitle\relax
8645 \global\let\@thanks\@empty
8646 \global\let\@author\@empty
8647 \global\let\@date\@empty
8648 \global\let\@title\@empty
8649 \global\let\title\relax
8650 \global\let\author\relax
8651 \global\let\date\relax
8652 \global\let\and\relax
8653 }
8654 \else
8655 \renewcommand\maketitle{\par
8656 \begingroup
8657 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8658 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8659 \long\def\@makefnmark##1{\parindent 1em\noindent
8660 \hb@xt@1.8em{%
8661 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8662 \if@twocolumn
8663 \ifnum \col@number=\@ne
8664 \@maketitle
8665 \else
8666 \twocolumn[\@maketitle]%
8667 \fi
8668 \else
8669 \newpage
8670 \global\topnum\z@ % Prevents figures from going at top of page.
8671 \@maketitle
8672 \fi

```



```

8673 \thispagestyle{plain}\@thanks
8674 \endgroup
8675 \setcounter{footnote}{0}%
8676 \global\let\thanks\relax
8677 \global\let\LTRthanks\relax
8678 \global\let\RTLthanks\relax
8679 \global\let\maketitle\relax
8680 \global\let\@maketitle\relax
8681 \global\let\@thanks\@empty
8682 \global\let\@author\@empty
8683 \global\let\@date\@empty
8684 \global\let\@title\@empty
8685 \global\let\title\relax
8686 \global\let\author\relax
8687 \global\let\date\relax
8688 \global\let\and\relax
8689 }
8690 \def\@maketitle{%
8691 \newpage
8692 \null
8693 \vskip 2em%
8694 \begin{center}%
8695 \let \footnote \thanks
8696 \let \LTRfootnote \LTRthanks
8697 \let \RTLfootnote \RTLthanks
8698 {\LARGE \@title \par}%
8699 \vskip 1.5em%
8700 {\large
8701 \lineskip .5em%
8702 \begin{tabular}[t]{c}%
8703 \@author
8704 \end{tabular}\par}%
8705 \vskip 1em%
8706 {\large \@date}%
8707 \end{center}%
8708 \par
8709 \vskip 1.5em}
8710 \fi
8711 \renewcommand*\l@part[2]{%
8712 \ifnum \c@tocdepth >-2\relax
8713 \addpenalty{-\@highpenalty}%
8714 \addvspace{2.25em \@plus\p0}%
8715 \begingroup
8716 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8717 \parfillskip -\@pnumwidth
8718 {\leavevmode
8719 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8720 \nobreak
8721 \global\@nobreaktrue
8722 \everypar{\global\@nobreakfalse\everypar{}}%
8723 \endgroup
8724 \fi}
8725 \renewcommand\theequation
8726 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8727 \renewcommand \thefigure
8728 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8729 \renewcommand \thetable

```




```

8730      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8731 \renewcommand \thechapter {\@arabic\c@chapter}
8732 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8733 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8734 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
8735 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8736 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8737 \def\@makechapterhead#1{%
8738   \vspace*{50\p@}%
8739   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8740     \ifnum \c@secnumdepth >\m@ne
8741       \if@mainmatter
8742         \huge\bfseries \@chapapp\space \thechapter
8743         \par\nobreak
8744         \vskip 20\p@
8745       \fi
8746     \fi
8747     \interlinepenalty\@M
8748     \Huge \bfseries #1\par\nobreak
8749     \vskip 40\p@
8750   }}
8751
8752 \def\@makeschapterhead#1{%
8753   \vspace*{50\p@}%
8754   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8755     \normalfont
8756     \interlinepenalty\@M
8757     \Huge \bfseries #1\par\nobreak
8758     \vskip 40\p@
8759   }}
8760 \renewcommand\backmatter{%
8761   \if@openright
8762     \cleardoublepage
8763   \else
8764     \clearpage
8765   \fi
8766   \@mainmatterfalse}
8767 \renewenvironment{thebibliography}[1]
8768   {\chapter*{\bibname
8769     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8770     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8771     \bidi@thebibliography@font@hook%
8772     \list{\@biblabel{\@arabic\c@enumiv}}%
8773       {\settowidth\labelwidth{\@biblabel{#1}}%
8774         \leftmargin\labelwidth
8775         \advance\leftmargin\labelsep
8776         \@openbib@code
8777         \usecounter{enumiv}%
8778         \let\p@enumiv\@empty
8779         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8780     \sloppy
8781     \clubpenalty4000
8782     \@clubpenalty \clubpenalty
8783     \widowpenalty4000%
8784     \sfcode`..\@m}
8785   {\def\@noitemerr
8786     {\@latex@warning{Empty `thebibliography' environment}}}%

```



```
8787 \endlist}
```

54 File extletter-xetex-bidi.def

```
8788 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for XeTeX
8789 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8790 \thispagestyle{firstpage}%
8791 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8792 \else % home address
8793 \thispagestyle{empty}%
8794 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8795 \fromaddress \*[2\parskip]%
8796 \@date \end{tabular}\par}%
8797 \fi
8798 \vspace{2\parskip}%
8799 {\if@RTL\raggedleft\else\raggedright\fi \toname \[2\parskip] \toaddress \par}%
8800 \vspace{2\parskip}%
8801 #1\par\nobreak}
8802 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8803 \stopbreaks
8804 \noindent
8805 \ifx\@empty\fromaddress\else
8806 \hspace*{\longindentation}\fi
8807 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8808 \ignorespaces #1\[\[6\medskipamount]%
8809 \ifx\@empty\fromsig
8810 \fromname
8811 \else \fromsig \fi\strut}%
8812 \par}
8813 \renewcommand\left@footnoterule{%
8814 \kern-\p@
8815 \hrule \[width .4\columnwidth
8816 \kern .6\p@}
8817 \renewcommand\right@footnoterule{%
8818 \kern-\p@
8819 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8820 \kern .6\p@}
```

55 File extrafootnotefeatures-xetex-bidi.def

```
8821 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote features for Xe
8822 \newif\if@bidi@void@footins
8823 \newif\if@bidi@void@mpfootins
8824 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8825 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8826 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8827 \ifHy@hyperfootnotes
8828 \let\@H@footnotetext\@footnotetext
8829 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8830 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8831 \let\@H@mpfootnotetext\@mpfootnotetext
8832 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8833 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8834 \fi
8835 }%
8836 }%
8837 }
```



```

8838 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8839 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
8840 \if@bidi@csundef{HLTR@LTRfootnotetext}{-}{%
8841 \ifHy@hyperfootnotes
8842 \let\H@@footnotetext\@footnotetext
8843 \let\@footnotetext\@H@@footnotetext
8844 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
8845 \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
8846 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
8847 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
8848 \let\H@mpfootnotetext\@mpfootnotetext
8849 \let\@mpfootnotetext\@H@mpfootnotetext
8850 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8851 \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
8852 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8853 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
8854 \fi
8855 }%
8856 }%
8857 }
8858 \let\autofootnoterule\relax
8859 \let\rightfootnoterule\relax
8860 \let\leftfootnoterule\relax
8861 \let\textwidthfootnoterule\relax
8862 \let\LRfootnoterule\relax
8863 \def\footnoterule{\kern-3\p@
8864 \hrule \@width \columnwidth \kern 2.6\p@}
8865 \newcommand{\@preamnormalfmt}{%
8866 \parindent 1em%
8867 \noindent
8868 }
8869 \newcommand{\@normalfootfmt}[1]{%
8870 \@preamnormalfmt
8871 \footfootmark
8872 \rule{z@footnotesep}{\ignorespaces{\foottextfont #1}%
8873 \@finalstrut\strutbox
8874 }
8875 \newcommand{\@normalRTLfootfmt}[1]{%
8876 \@preamnormalfmt
8877 \RTLfootfootmark
8878 \rule{z@footnotesep}{\ignorespaces{\RTLfoottextfont #1}%
8879 \@finalstrut\strutbox
8880 }
8881 \newcommand{\@normalLTRfootfmt}[1]{%
8882 \@preamnormalfmt
8883 \LTRfootfootmark
8884 \rule{z@footnotesep}{\ignorespaces{\LTRfoottextfont #1}%
8885 \@finalstrut\strutbox
8886 }
8887 \renewcommand{\@footnotetext}[1]{%
8888 \insert\footins{%
8889 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8890 \def\baselinestretch{\m@m@footnote@spacing}%
8891 \reset@font
8892 \foottextfont
8893 \@preamfntext
8894 \hsize\columnwidth

```



```

8895 \protected@edef\@currentlabel{%
8896 \csname p@footnote\endcsname\@thefnmark}%
8897 \color@begingroup
8898 \@normalfootfmt{#1}%
8899 \color@endgroup}%
8900 \m@mmf@prepare}
8901 \renewcommand{\@RTLfootnotetext}[1]{%
8902 \insert\footins{%
8903 \@RTLtrue%
8904 \def\baselinestretch{\m@mm@footnote@spacing}%
8905 \reset@font
8906 \RTLfoottextfont
8907 \@preamfntext
8908 \hsize\columnwidth
8909 \protected@edef\@currentlabel{%
8910 \csname p@footnote\endcsname\@thefnmark}%
8911 \color@begingroup
8912 \@normalRTLfootfmt{#1}%
8913 \color@endgroup}%
8914 \m@mmf@prepare}
8915 \renewcommand{\@LTRfootnotetext}[1]{%
8916 \insert\footins{%
8917 \@RTLfalse%
8918 \def\baselinestretch{\m@mm@footnote@spacing}%
8919 \reset@font
8920 \LTRfoottextfont
8921 \@preamfntext
8922 \hsize\columnwidth
8923 \protected@edef\@currentlabel{%
8924 \csname p@footnote\endcsname\@thefnmark}%
8925 \color@begingroup
8926 \@normalLTRfootfmt{#1}%
8927 \color@endgroup}%
8928 \m@mmf@prepare}
8929 \renewcommand{\@mpfootnotetext}[1]{%
8930 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8931 \unvbox\@mpfootins
8932 \def\baselinestretch{\m@mm@footnote@spacing}%
8933 \reset@font%
8934 \foottextfont \hsize\columnwidth \@parboxrestore
8935 \protected@edef\@currentlabel{%
8936 \csname p@mpfootnote\endcsname\@thefnmark}%
8937 \color@begingroup
8938 \@normalfootfmt{#1}%
8939 \color@endgroup}}
8940 \renewcommand{\@mpLTRfootnotetext}[1]{%
8941 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8942 \unvbox\@mpfootins
8943 \def\baselinestretch{\m@mm@footnote@spacing}%
8944 \reset@font%
8945 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8946 \protected@edef\@currentlabel{%
8947 \csname p@mpfootnote\endcsname\@thefnmark}%
8948 \color@begingroup
8949 \@normalLTRfootfmt{#1}%
8950 \color@endgroup}}
8951 \renewcommand{\@mpRTLfootnotetext}[1]{%

```



```

8952 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8953 \unvbox\@mpfootins
8954 \def\baselinestretch{\m@m@footnote@spacing}%
8955 \reset@font%
8956 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8957 \protected@edef\@currentlabel{%
8958 \csname p@mpfootnote\endcsname\@thefnmark}%
8959 \color@begingroup
8960 \normalRTLfootfmt{#1}%
8961 \color@endgroup}}
8962 \let\m@mold@footnotetext\@footnotetext
8963 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8964 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8965 \let\m@mold@mpfootnotetext\@mpfootnotetext
8966 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8967 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8968 \bidi@ensure@newcommand{\normalfootnotes}{%
8969 \@bidi@before@Hy@hyperfootnotes
8970 \let\@footnotetext\m@mold@footnotetext
8971 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8972 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8973 \let\@mpfootnotetext\m@mold@mpfootnotetext
8974 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8975 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8976 \@bidi@after@Hy@hyperfootnotes
8977 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
8978 }
8979 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8980 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotesttrue}
8981 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotestfalse}
8982 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8983 \def\m@m@singlespace{#1}%
8984 \def\m@m@footnote@spacing{#1}%
8985 \def\m@m@float@spacing{#1} %
8986 }
8987 \setSingleSpace{1}
8988 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8989 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
8990 \kern-\multiplefootnotemarker
8991 \kern\multiplefootnotemarker\relax}
8992 \bidi@ensure@newlength{\footmarkwidth}
8993 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8994 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8995 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8996 \bidi@ensure@newcommand{\footfootmark}{%
8997 \ifdim\footmarkwidth < \z@
8998 \llap{\hb@xt@ -\footmarkwidth{%
8999 \hss\normalfont\footscript{\@thefnmark}}}%
9000 \hspace*{-\footmarkwidth}}%
9001 \else
9002 \ifdim\footmarkwidth = \z@
9003 {\normalfont\footscript{\@thefnmark}}%
9004 \else
9005 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
9006 \fi
9007 \fi}
9008 \bidi@ensure@newcommand{\LTRfootfootmark}{%

```



```

9009 \ifdim\footmarkwidth < \z@
9010 \llap{\hb@xt@ -\footmarkwidth{%
9011 \hss\normalfont\LTRfootscript{\@thefnmark}}}%
9012 \hspace*{-\footmarkwidth}}%
9013 \else
9014 \ifdim\footmarkwidth = \z@
9015 {\normalfont\LTRfootscript{\@thefnmark}}%
9016 \else
9017 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
9018 \fi
9019 \fi}
9020 \bidi@ensure@newcommand{\RTLfootfootmark}{%
9021 \ifdim\footmarkwidth < \z@
9022 \llap{\hb@xt@ -\footmarkwidth{%
9023 \hss\normalfont\RTLfootscript{\@thefnmark}}}%
9024 \hspace*{-\footmarkwidth}}%
9025 \else
9026 \ifdim\footmarkwidth = \z@
9027 {\normalfont\RTLfootscript{\@thefnmark}}%
9028 \else
9029 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
9030 \fi
9031 \fi}
9032 \footmarkstyle{\textsuperscript{#1}}
9033 \LTRfootmarkstyle{\textsuperscript{#1}}
9034 \RTLfootmarkstyle{\textsuperscript{#1}}
9035 \newcommand*{\bidi@normal@footmarkwidth}{%
9036 \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
9037 }
9038 \newcommand*{\bidi@star@footmarkwidth}{%
9039 \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
9040 }
9041 \bidi@normal@footmarkwidth
9042 \bidi@ensure@newcommand{\m@doextrafeet}{\extrafeetins}
9043 \bidi@ensure@newcommand*{\extrafeetins}{%
9044 \setbox\@outputbox \vbox{%
9045 \boxmaxdepth \@maxdepth
9046 \unvbox\@outputbox
9047 \ifvoid\footinsv@r
9048 \ifvoid\footinsv@l
9049 \else
9050 \@footstartv@l
9051 \@LTRfootgroupv@l
9052 \fi
9053 \else
9054 \@footstartv@r
9055 \@footgroupv@r
9056 \ifvoid\footinsv@l
9057 \else
9058 \@@footstart@@v@l
9059 \@LTRfootgroupv@l
9060 \fi
9061 \fi
9062 \ifvoid\@bidi@copyins@
9063 \else
9064 \vskip \skip\@bidi@copyins@
9065 \color@begingroup

```



```

9066         \normalcolor
9067         \unvbox \@bidi@copyins@
9068         \color@endgroup
9069     \fi
9070     \extrafeetinshook}}
9071 \bidi@ensure@newcommand{\extrafeetinshook}{\fi}
9072 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
9073 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
9074 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
9075 \bidi@ensure@newlength{\footinsdim}
9076 \setlength{\footinsdim}{8in} % standard for \dimen\footins
9077 \bidi@ensure@newcommand{\@preamfntext}{\fi}
9078 \interlinepenalty\interfootnotelinepenalty
9079 \floatingpenalty \@MM
9080 \splittopskip=\footnotesep
9081 \splitmaxdepth=\dp\strutbox
9082 \@parboxrestore}
9083 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{\fi}
9084 \extrafeetminihook}
9085 \bidi@ensure@newcommand{\extrafeetendmini}{\fi}
9086 \ifvoid\@mpfootinsv@r
9087 \ifvoid\@mpfootinsv@l
9088 \else
9089     \vskip\skip\@mpfootins
9090     \normalcolor
9091     \if@bidi@void@\@mpfootins
9092         \footnoterule
9093     \fi
9094     \mp@LTRfootgroupv@l
9095 \fi
9096 \else
9097     \vskip\skip\@mpfootins
9098     \normalcolor
9099     \if@bidi@void@\@mpfootins
9100         \footnoterule
9101     \fi
9102     \mp@footgroupv@r
9103     \ifvoid\@mpfootinsv@l
9104     \else
9105         \vskip\skip\@mpfootins
9106         \normalcolor\mp@LTRfootgroupv@l
9107     \fi
9108 \fi
9109 \extrafeetendminihook}
9110 \bidi@ensure@newcommand{\extrafeetendminihook}{\fi}
9111 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
9112 \def\endminipage{%
9113     \par
9114     \unskip
9115     \ifvoid\@mpfootins
9116         \global\@bidi@void@\@mpfootinstrue
9117     \else
9118         \global\@bidi@void@\@mpfootinsfalse
9119     \vskip\skip\@mpfootins
9120     \normalcolor
9121     \footnoterule
9122     \unvbox\@mpfootins

```



```

9123 \fi
9124 \m@doextrafeetendmini
9125 \@minipagefalse
9126 \color@endgroup
9127 \egroup
9128 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
9129 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
9130 \namedef{\footstart#1}{%
9131 \bidi@mopfn@bottom
9132 \leftskip=\z@
9133 \rightskip=\z@
9134 \parindent=\z@
9135 \vskip\skip\footins
9136 \footnoterule}}
9137 \newinsert\footinsv@r
9138 \skip\footinsv@r\bigskipamount
9139 \count\footinsv@r=1000 % no magnification
9140 \dimen\footinsv@r=\footinsdim
9141 \m@make@footstart{v@r}
9142 \newinsert\footinsv@l
9143 \skip\footinsv@l\bigskipamount
9144 \bidi@ensure@newcommand{\@footgroupv@r}{%
9145 \newinsert\@mpfootinsv@r
9146 \newinsert\@mpfootinsv@l
9147 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
9148 \newcount\m@m@k \newdimen\m@m@h
9149 \@ifpackageloaded{multicol}{%
9150 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9151 \hsize\textwidth
9152 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9153 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
9154 }{%
9155 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9156 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9157 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}}
9158 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
9159 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
9160 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
9161 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
9162 \setbox2 \vsplit0 to \dimen0
9163 \unvbox2 }
9164 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
9165 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
9166 \@bidi@before@Hy@hyperfootnotes
9167 \let\@footnotetext\@twocolfootnotetext
9168 \let\@LTRfootnotetext\@twocolLTRfootnotetext
9169 \let\@RTLfootnotetext\@twocolRTLfootnotetext
9170 \dimen\footinsv@r=2\footinsdim
9171 \count\footinsv@r=500\relax
9172 \m@make@twocol@footgroup{v@r}%
9173 \let\@footgroupv@r\@twocol@footgroupv@r
9174 \let\@mpfootnotetext\@mptwocolfootnotetext
9175 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
9176 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
9177 \@bidi@after@Hy@hyperfootnotes
9178 \m@make@mptwocol@footgroup{v@r}%
9179 \let\mp@footgroupv@r\@mptwocol@footgroupv@r

```




```

9180 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9181 }
9182 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv{\if@RTL@footnote\@RTLtrue\else\@RTL
9183 \def\baselinestretch{\m@m@footnote@spacing}%
9184 \reset@font\foottextfont
9185 \@preamfntext
9186 \protected@edef\@currentlabel{%
9187 \csname p@footnote\endcsname\@thefnmark}%
9188 \color@begingroup
9189 \@twocolfootfmt{#1}%
9190 \color@endgroup}%
9191 \m@mmf@prepare}
9192 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv{\if@RTLcolumnfootnotes\beginL\fi
9193 \def\baselinestretch{\m@m@footnote@spacing}%
9194 \reset@font\LTRfoottextfont
9195 \@preamfntext
9196 \protected@edef\@currentlabel{%
9197 \csname p@footnote\endcsname\@thefnmark}%
9198 \color@begingroup
9199 \@twocolLTRfootfmt{#1}%
9200 \color@endgroup}%
9201 \m@mmf@prepare}
9202 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv{\@RTLtrue%
9203 \def\baselinestretch{\m@m@footnote@spacing}%
9204 \reset@font\RTLfoottextfont
9205 \@preamfntext
9206 \protected@edef\@currentlabel{%
9207 \csname p@footnote\endcsname\@thefnmark}%
9208 \color@begingroup
9209 \@twocolRTLfootfmt{#1}%
9210 \color@endgroup}%
9211 \m@mmf@prepare}
9212 \bidi@ensure@newcommand{\@preamtwofmt}{%
9213 \hsize .45\hsize
9214 \parindent=\z@
9215 \tolerance=5000\relax
9216 \leavevmode}
9217 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
9218 \@preamtwofmt
9219 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9220 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
9221 \@preamtwofmt
9222 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9223 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
9224 \@preamtwofmt
9225 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9226 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
9227 \global\setbox\@mpfootinsv\ vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9228 \unvbox\@mpfootinsv}
9229 \def\baselinestretch{\m@m@footnote@spacing}%
9230 \reset@font\foottextfont
9231 \hsize\columnwidth \@parboxrestore
9232 \protected@edef\@currentlabel{%
9233 \csname p@mpfootnote\endcsname\@thefnmark}%
9234 \color@begingroup
9235 \@twocolfootfmt{#1}%
9236 \color@endgroup}%

```



```

9237 \m@mmf@prepare}
9238 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
9239 \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
9240 \unvbox\@mpfootinsv@r
9241 \def\baselinestretch{\m@mm@footnote@spacing}%
9242 \reset@font\LTRfoottextfont
9243 \hsize\columnwidth \@parboxrestore
9244 \ifRTLcolumnfootnotes\beginL\fi
9245 \protected@edef\@currentlabel{%
9246 \csname p@mpfootnote\endcsname\@thefnmark}%
9247 \color@begingroup
9248 \@twocolLTRfootfmt{#1}%
9249 \color@endgroup}%
9250 \m@mmf@prepare}
9251 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
9252 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
9253 \unvbox\@mpfootinsv@r
9254 \def\baselinestretch{\m@mm@footnote@spacing}%
9255 \reset@font\RTLfoottextfont
9256 \hsize\columnwidth \@parboxrestore
9257 \protected@edef\@currentlabel{%
9258 \csname p@mpfootnote\endcsname\@thefnmark}%
9259 \color@begingroup
9260 \@twocolRTLfootfmt{#1}%
9261 \color@endgroup}%
9262 \m@mmf@prepare}
9263 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
9264 \@namedef{\@twocol@footgroup#1}{%
9265 \def\baselinestretch{\m@mm@footnote@spacing}%
9266 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9267 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
9268 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
9269 \@namedef{\@mptwocol@footgroup#1}{%
9270 \def\baselinestretch{\m@mm@footnote@spacing}%
9271 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9272 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\tw@}{\splittopskip}}}%
9273 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9274 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9275 \@bidi@before@Hy@hyperfootnotes
9276 \let\@footnotetext\@threecolfootnotetext
9277 \let\@LTRfootnotetext\@threecolLTRfootnotetext
9278 \let\@RTLfootnotetext\@threecolRTLfootnotetext
9279 \dimen\footinsv@r=3\footinsdim
9280 \count\footinsv@r=333\relax
9281 \m@make@threecol@footgroup{v@r}%
9282 \let\@footgroupv@r\@threecol@footgroupv@r
9283 \let\@mpfootnotetext\@mpthreecolfootnotetext
9284 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9285 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
9286 \@bidi@after@Hy@hyperfootnotes
9287 \m@make@mpthreecol@footgroup{v@r}%
9288 \let\@mpfootgroupv@r\@mpthreecol@footgroupv@r
9289 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9290 }
9291 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\ifRTL@footnote\@RTLtrue\else\@R
9292 \def\baselinestretch{\m@mm@footnote@spacing}%
9293 \reset@font\foottextfont

```



```

9294 \@preamfntext
9295 \protected@edef\@currentlabel{%
9296   \csname p@footnote\endcsname\@thefnmark}%
9297 \color@begingroup
9298   \@threecolfootfmt{#1}%
9299 \color@endgroup}\m@mmf@prepare}
9300 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL
9301   \def\baselinestretch{\m@m@footnote@spacing}%
9302   \reset@font\LTRfoottextfont
9303   \@preamfntext
9304   \protected@edef\@currentlabel{%
9305     \csname p@footnote\endcsname\@thefnmark}%
9306   \color@begingroup
9307     \@threecolLTRfootfmt{#1}%
9308   \color@endgroup}\m@mmf@prepare}
9309 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9310   \def\baselinestretch{\m@m@footnote@spacing}%
9311   \reset@font\RTLfoottextfont
9312   \@preamfntext
9313   \protected@edef\@currentlabel{%
9314     \csname p@footnote\endcsname\@thefnmark}%
9315   \color@begingroup
9316     \@threecolRTLfootfmt{#1}%
9317   \color@endgroup}\m@mmf@prepare}
9318 \bidi@ensure@newcommand{\@preamthreefmt}{%
9319   \hsize .3\hsize
9320   \parindent=\z@
9321   \tolerance=5000\relax
9322   \leavevmode}
9323 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9324   \@preamthreefmt
9325   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9326 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9327   \@preamthreefmt
9328   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9329 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9330   \@preamthreefmt
9331   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9332 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9333   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote@RTLtrue\else\@RTLfalse\fi%
9334     \unvbox\@mpfootinsv@r
9335     \def\baselinestretch{\m@m@footnote@spacing}%
9336     \reset@font\foottextfont
9337     \hsize\columnwidth \@parboxrestore
9338     \protected@edef\@currentlabel{%
9339       \csname p@mpfootnote\endcsname\@thefnmark}%
9340     \color@begingroup
9341       \@threecolfootfmt{#1}%
9342     \color@endgroup}\m@mmf@prepare}
9343 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9344   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9345     \unvbox\@mpfootinsv@r
9346     \def\baselinestretch{\m@m@footnote@spacing}%
9347     \reset@font\LTRfoottextfont
9348     \hsize\columnwidth \@parboxrestore
9349     \if@RTLcolumnfootnotes\beginL\fi
9350     \protected@edef\@currentlabel{%

```



```

9351 \csname p@mpfootnote\endcsname\@thefnmark}%
9352 \color@begingroup
9353 \@threecolLTRfootfmt{#1}%
9354 \color@endgroup}\m@mmf@prepare}
9355 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9356 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9357 \unvbox\@mpfootinsv@r
9358 \def\baselinestretch{\m@mm@footnote@spacing}%
9359 \reset@font\RTLfoottextfont
9360 \hsize\columnwidth \@parboxrestore
9361 \protected@edef\@currentlabel{%
9362 \csname p@mpfootnote\endcsname\@thefnmark}%
9363 \color@begingroup
9364 \@threecolRTLfootfmt{#1}%
9365 \color@endgroup}\m@mmf@prepare}
9366 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9367 \@namedef{\threecol@footgroup#1}{%
9368 \def\baselinestretch{\m@mm@footnote@spacing}%
9369 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9370 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
9371 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9372 \@namedef{\mpthreecol@footgroup#1}{%
9373 \def\baselinestretch{\m@mm@footnote@spacing}%
9374 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9375 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{\thr@@}{\splittopskip}}}%
9376 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9377 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9378 \@bidi@before@Hy@hyperfootnotes
9379 \let\@footnotetext\@fourcolfootnotetext
9380 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9381 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9382 \dimen\footinsv@r=4\footinsdim
9383 \count\footinsv@r=250\relax
9384 \m@make@fourcol@footgroup{v@r}%
9385 \let\@footgroupv@r\@fourcol@footgroupv@r
9386 \let\@mpfootnotetext\@mpfourcolfootnotetext
9387 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9388 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9389 \@bidi@after@Hy@hyperfootnotes
9390 \m@make@mpfourcol@footgroup{v@r}%
9391 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
9392 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9393 }
9394 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}%
9395 \def\baselinestretch{\m@mm@footnote@spacing}%
9396 \reset@font\foottextfont
9397 \@preamfntext
9398 \protected@edef\@currentlabel{%
9399 \csname p@footnote\endcsname\@thefnmark}%
9400 \color@begingroup
9401 \@fourcolfootfmt{#1}%
9402 \color@endgroup}%
9403 \m@mmf@prepare}
9404 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi}%
9405 \def\baselinestretch{\m@mm@footnote@spacing}%
9406 \reset@font\LTRfoottextfont
9407 \@preamfntext

```



```

9408 \protected@edef\@currentlabel{%
9409   \csname p@footnote\endcsname\@thefnmark}%
9410 \color@begingroup
9411   \@fourcolLTRfootfmt{#1}%
9412 \color@endgroup}%
9413 \m@mmf@prepare}
9414 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9415   \def\baselinestretch{\m@m@footnote@spacing}%
9416   \reset@font\RTLfoottextfont
9417   \@preamfntext
9418   \protected@edef\@currentlabel{%
9419     \csname p@footnote\endcsname\@thefnmark}%
9420   \color@begingroup
9421     \@fourcolRTLfootfmt{#1}%
9422   \color@endgroup}%
9423   \m@mmf@prepare}
9424 \bidi@ensure@newcommand{\@preamfourfmt}{%
9425   \hsize .25\hsize
9426   \parindent=\z@
9427   \tolerance=5000\relax
9428   \leavevmode}
9429 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9430   \@preamfourfmt
9431   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9432 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9433   \@preamfourfmt
9434   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9435 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9436   \@preamfourfmt
9437   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9438 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9439   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9440     \unvbox\@mpfootinsv@r
9441     \def\baselinestretch{\m@m@footnote@spacing}%
9442     \reset@font\foottextfont
9443     \hsize\columnwidth \@parboxrestore
9444     \protected@edef\@currentlabel{%
9445       \csname p@mpfootnote\endcsname\@thefnmark}%
9446   \color@begingroup
9447     \@fourcolfootfmt{#1}%
9448   \color@endgroup}%
9449   \m@mmf@prepare}
9450 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9451   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9452     \unvbox\@mpfootinsv@r
9453     \def\baselinestretch{\m@m@footnote@spacing}%
9454     \reset@font\LTRfoottextfont
9455     \hsize\columnwidth \@parboxrestore
9456     \if@RTLcolumnfootnotes\beginL\fi
9457     \protected@edef\@currentlabel{%
9458       \csname p@mpfootnote\endcsname\@thefnmark}%
9459   \color@begingroup
9460     \@fourcolLTRfootfmt{#1}%
9461   \color@endgroup}%
9462   \m@mmf@prepare}
9463 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9464   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%

```



```

9465 \unvbox\@mpfootinsv@r
9466 \def\baselinestretch{\m@m@footnote@spacing}%
9467 \reset@font\RTLfoottextfont
9468 \hsize\columnwidth \@parboxrestore
9469 \protected@edef\@currentlabel{%
9470 \csname p@mpfootnote\endcsname\@thefnmark}%
9471 \color@begingroup
9472 \@fourcolRTLfootfmt{#1}%
9473 \color@endgroup}%
9474 \m@mmf@prepare}
9475 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9476 \@namedef{\fourcol@footgroup#1}{%
9477 \def\baselinestretch{\m@m@footnote@spacing}%
9478 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9479 \m@mrighdbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
9480 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9481 \@namedef{\mpfourcol@footgroup#1}{%
9482 \def\baselinestretch{\m@m@footnote@spacing}%
9483 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9484 \m@mrighdbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}%
9485 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9486 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9487 \@bidi@before@Hy@hyperfootnotes
9488 \let\@footnotetext\@fivecolfootnotetext
9489 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9490 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9491 \dimen\footinsv@r=5\footinsdim
9492 \count\footinsv@r=200\relax
9493 \m@make@fivecol@footgroup{v@r}%
9494 \let\@footgroupv@r\@fivecol@footgroupv@r
9495 \let\@mpfootnotetext\@mpfivecolfootnotetext
9496 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9497 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9498 \@bidi@after@Hy@hyperfootnotes
9499 \m@make@mpfivecol@footgroup{v@r}%
9500 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
9501 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9502 }
9503 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}%
9504 \def\baselinestretch{\m@m@footnote@spacing}%
9505 \reset@font\foottextfont
9506 \@preamfntext
9507 \protected@edef\@currentlabel{%
9508 \csname p@footnote\endcsname\@thefnmark}%
9509 \color@begingroup
9510 \@fivecolfootfmt{#1}%
9511 \color@endgroup}%
9512 \m@mmf@prepare}
9513 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi}%
9514 \def\baselinestretch{\m@m@footnote@spacing}%
9515 \reset@font\LTRfoottextfont
9516 \@preamfntext
9517 \protected@edef\@currentlabel{%
9518 \csname p@footnote\endcsname\@thefnmark}%
9519 \color@begingroup
9520 \@fivecolLTRfootfmt{#1}%
9521 \color@endgroup}%

```



```

9522 \m@mmf@prepare}
9523 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9524 \def\baselinestretch{\m@m@footnote@spacing}%
9525 \reset@font\RTLfoottextfont
9526 \@preamfntext
9527 \protected@edef\@currentlabel{%
9528 \csname p@footnote\endcsname\@thefnmark}%
9529 \color@begingroup
9530 \@fivecolRTLfootfmt{#1}%
9531 \color@endgroup}%
9532 \m@mmf@prepare}
9533 \bidi@ensure@newcommand{\@preamfivefmt}{%
9534 \hsize .2\hsize
9535 \parindent=\z@
9536 \tolerance=5000\relax
9537 \leavevmode}
9538 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9539 \@preamfivefmt
9540 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9541 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9542 \@preamfivefmt
9543 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9544 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9545 \@preamfivefmt
9546 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9547 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9548 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9549 \unvbox\@mpfootinsv@r
9550 \def\baselinestretch{\m@m@footnote@spacing}%
9551 \reset@font\foottextfont
9552 \hsize\columnwidth \@parboxrestore
9553 \protected@edef\@currentlabel{%
9554 \csname p@mpfootnote\endcsname\@thefnmark}%
9555 \color@begingroup
9556 \@fivecolfootfmt{#1}%
9557 \color@endgroup}%
9558 \m@mmf@prepare}
9559 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9560 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9561 \unvbox\@mpfootinsv@r
9562 \def\baselinestretch{\m@m@footnote@spacing}%
9563 \reset@font\LTRfoottextfont
9564 \hsize\columnwidth \@parboxrestore
9565 \if@RTLcolumnfootnotes\beginL\fi
9566 \protected@edef\@currentlabel{%
9567 \csname p@mpfootnote\endcsname\@thefnmark}%
9568 \color@begingroup
9569 \@fivecolLTRfootfmt{#1}%
9570 \color@endgroup}%
9571 \m@mmf@prepare}
9572 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9573 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9574 \unvbox\@mpfootinsv@r
9575 \def\baselinestretch{\m@m@footnote@spacing}%
9576 \reset@font\RTLfoottextfont
9577 \hsize\columnwidth \@parboxrestore
9578 \protected@edef\@currentlabel{%

```



```

9579 \csname p@mpfootnote\endcsname\@thefnmark}%
9580 \color@begingroup
9581 \@fivecolRTLfootfmt{#1}%
9582 \color@endgroup}%
9583 \m@mmf@prepare}
9584 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9585 \@namedef{@fivecol@footgroup#1}{%
9586 \def\baselinestretch{\m@m@footnote@spacing}%
9587 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9588 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
9589 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9590 \@namedef{@mpfivecol@footgroup#1}{%
9591 \def\baselinestretch{\m@m@footnote@spacing}%
9592 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9593 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
9594 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9595 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9596 \@bidi@before@Hy@hyperfootnotes
9597 \let\@footnotetext\@sixcolfootnotetext
9598 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9599 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9600 \dimen\footinsv@r=6\footinsdim
9601 \count\footinsv@r=166\relax
9602 \m@make@sixcol@footgroup{v@r}%
9603 \let\@footgroupv@r\@sixcol@footgroupv@r
9604 \let\@mpfootnotetext\@mpsixcolfootnotetext
9605 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9606 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9607 \@bidi@after@Hy@hyperfootnotes
9608 \m@make@mpsixcol@footgroup{v@r}%
9609 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9610 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9611 }
9612 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTL
9613 \def\baselinestretch{\m@m@footnote@spacing}%
9614 \reset@font\foottextfont
9615 \@preamfntext
9616 \protected@edef\@currentlabel{%
9617 \csname p@footnote\endcsname\@thefnmark}%
9618 \color@begingroup
9619 \@sixcolfootfmt{#1}%
9620 \color@endgroup}%
9621 \m@mmf@prepare}
9622 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi
9623 \def\baselinestretch{\m@m@footnote@spacing}%
9624 \reset@font\LTRfoottextfont
9625 \@preamfntext
9626 \protected@edef\@currentlabel{%
9627 \csname p@footnote\endcsname\@thefnmark}%
9628 \color@begingroup
9629 \@sixcolLTRfootfmt{#1}%
9630 \color@endgroup}%
9631 \m@mmf@prepare}
9632 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9633 \def\baselinestretch{\m@m@footnote@spacing}%
9634 \reset@font\RTLfoottextfont
9635 \@preamfntext

```




```

9636 \protected@edef\@currentlabel{%
9637   \csname p@footnote\endcsname\@thefnmark}%
9638 \color@begingroup
9639   \@sixcolRTLfootfmt{#1}%
9640 \color@endgroup}%
9641 \m@mmf@prepare}
9642 \bidi@ensure@newcommand{\@preamsixfmt}{%
9643   \hsize .16\hsize
9644   \parindent=\z@
9645   \tolerance=5000\relax
9646   \leavevmode}
9647 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9648   \@preamsixfmt
9649   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9650 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9651   \@preamsixfmt
9652   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9653 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9654   \@preamsixfmt
9655   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9656 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9657   \global\setbox\@mpfootinsv\@r\@vbox{%
9658     \unvbox\@mpfootinsv@r
9659     \def\baselinestretch{\m@mm@footnote@spacing}%
9660     \reset@font\foottextfont
9661     \hsize\columnwidth \@parboxrestore
9662     \protected@edef\@currentlabel{%
9663       \csname p@mpfootnote\endcsname\@thefnmark}%
9664     \color@begingroup
9665       \@sixcolfootfmt{#1}%
9666     \color@endgroup}%
9667     \m@mmf@prepare}
9668 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9669   \global\setbox\@mpfootinsv\@r\@vbox{%
9670     \unvbox\@mpfootinsv@r
9671     \def\baselinestretch{\m@mm@footnote@spacing}%
9672     \reset@font\LTRfoottextfont
9673     \hsize\columnwidth \@parboxrestore
9674     \if@RTLcolumnfootnotes\beginL\fi
9675     \protected@edef\@currentlabel{%
9676       \csname p@mpfootnote\endcsname\@thefnmark}%
9677     \color@begingroup
9678       \@sixcolLTRfootfmt{#1}%
9679     \color@endgroup}%
9680     \m@mmf@prepare}
9681 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9682   \global\setbox\@mpfootinsv\@r\@vbox{%
9683     \unvbox\@mpfootinsv@r
9684     \def\baselinestretch{\m@mm@footnote@spacing}%
9685     \reset@font\RTLfoottextfont
9686     \hsize\columnwidth \@parboxrestore
9687     \protected@edef\@currentlabel{%
9688       \csname p@mpfootnote\endcsname\@thefnmark}%
9689     \color@begingroup
9690       \@sixcolRTLfootfmt{#1}%
9691     \color@endgroup}%
9692     \m@mmf@prepare}

```



```

9693 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9694   \namedef{@sixcol@footgroup#1}{%
9695     \def\baselinestretch{\m@m@footnote@spacing}%
9696     \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9697     \m@mrigidbalance{\nameuse{footins#1}}{6}{\splittopskip}}}%
9698 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9699   \namedef{@mpsixcol@footgroup#1}{%
9700     \def\baselinestretch{\m@m@footnote@spacing}%
9701     \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9702     \m@mrigidbalance{\nameuse{mpfootins#1}}{6}{\splittopskip}}}%
9703 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9704   \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9705   \@bidi@before@Hy@hyperfootnotes
9706   \let\@footnotetext\@sevendcolfootnotetext
9707   \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9708   \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9709   \dimen\footinsv@r=7\footinsdim
9710   \count\footinsv@r=142\relax
9711   \m@make@sevendcol@footgroup{v@r}%
9712   \let\@footgroupv@r\@sevendcol@footgroupv@r
9713   \let\@mpfootnotetext\@mpsevendcolfootnotetext
9714   \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9715   \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9716   \@bidi@after@Hy@hyperfootnotes
9717   \m@make@mpsevendcol@footgroup{v@r}%
9718   \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
9719   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9720 }
9721 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@R
9722   \def\baselinestretch{\m@m@footnote@spacing}%
9723   \reset@font\foottextfont
9724   \@preamfntext
9725   \protected@edef\@currentlabel{%
9726     \csname p@footnote\endcsname\@thefnmark}%
9727   \color@begingroup
9728     \@sevendcolfootfmt{#1}%
9729   \color@endgroup}%
9730   \m@mmf@prepare}
9731 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL
9732   \def\baselinestretch{\m@m@footnote@spacing}%
9733   \reset@font\LTRfoottextfont
9734   \@preamfntext
9735   \protected@edef\@currentlabel{%
9736     \csname p@footnote\endcsname\@thefnmark}%
9737   \color@begingroup
9738     \@sevendcolLTRfootfmt{#1}%
9739   \color@endgroup}%
9740   \m@mmf@prepare}
9741 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9742   \def\baselinestretch{\m@m@footnote@spacing}%
9743   \reset@font\RTLfoottextfont
9744   \@preamfntext
9745   \protected@edef\@currentlabel{%
9746     \csname p@footnote\endcsname\@thefnmark}%
9747   \color@begingroup
9748     \@sevendcolRTLfootfmt{#1}%
9749   \color@endgroup}%

```



```

9750 \m@mmf@prepare}
9751 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9752 \hsize .142\hsize
9753 \parindent=\z@
9754 \tolerance=5000\relax
9755 \leavevmode}
9756 \bidi@ensure@newcommand{\@sevencolfootfmt}[1]{%
9757 \@preamsevenfmt
9758 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9759 \bidi@ensure@newcommand{\@sevencolLTRfootfmt}[1]{%
9760 \@preamsevenfmt
9761 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9762 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
9763 \@preamsevenfmt
9764 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9765 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9766 \global\setbox\@mpfootinsv\@r\@vbox{%
9767 \unvbox\@mpfootinsv@r
9768 \def\baselinestretch{\m@mm@footnote@spacing}%
9769 \reset@font\foottextfont
9770 \hsize\columnwidth \@parboxrestore
9771 \protected@edef\@currentlabel{%
9772 \csname p@mpfootnote\endcsname\@thefnmark}%
9773 \color@begingroup
9774 \@sevencolfootfmt{#1}%
9775 \color@endgroup}%
9776 \m@mmf@prepare}
9777 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
9778 \global\setbox\@mpfootinsv\@r\@vbox{%
9779 \unvbox\@mpfootinsv@r
9780 \def\baselinestretch{\m@mm@footnote@spacing}%
9781 \reset@font\LTRfoottextfont
9782 \hsize\columnwidth \@parboxrestore
9783 \if@RTLcolumnfootnotes\beginL\fi
9784 \protected@edef\@currentlabel{%
9785 \csname p@mpfootnote\endcsname\@thefnmark}%
9786 \color@begingroup
9787 \@sevencolLTRfootfmt{#1}%
9788 \color@endgroup}%
9789 \m@mmf@prepare}
9790 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
9791 \global\setbox\@mpfootinsv\@r\@vbox{%
9792 \unvbox\@mpfootinsv@r
9793 \def\baselinestretch{\m@mm@footnote@spacing}%
9794 \reset@font\RTLfoottextfont
9795 \hsize\columnwidth \@parboxrestore
9796 \protected@edef\@currentlabel{%
9797 \csname p@mpfootnote\endcsname\@thefnmark}%
9798 \color@begingroup
9799 \@sevencolRTLfootfmt{#1}%
9800 \color@endgroup}%
9801 \m@mmf@prepare}
9802 \bidi@ensure@newcommand{\m@make@sevencol@footgroup}[1]{%
9803 \@namedef{\@sevencol@footgroup#1}{%
9804 \def\baselinestretch{\m@mm@footnote@spacing}%
9805 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9806 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%

```



```

9807 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
9808 \namedef{@mpsevenscol@footgroup#1}{%
9809 \def\baselinestretch{\m@footnote@spacing}%
9810 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9811 \m@mrigidbalance{\nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
9812 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9813 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9814 \@bidi@before@Hy@hyperfootnotes
9815 \let@footnotetext\@eightcolfootnotetext
9816 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9817 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9818 \dimen\footinsv@r=8\footinsdim
9819 \count\footinsv@r=125\relax
9820 \m@make@eightcol@footgroup{v@r}%
9821 \let\@footgroupv@r\@eightcol@footgroupv@r
9822 \let\@mpfootnotetext\@mpeightcolfootnotetext
9823 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9824 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9825 \@bidi@after@Hy@hyperfootnotes
9826 \m@make@mpeightcol@footgroup{v@r}%
9827 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
9828 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9829 }
9830 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@R
9831 \def\baselinestretch{\m@footnote@spacing}%
9832 \reset@font\foottextfont
9833 \@preamfntext
9834 \protected@edef\@currentlabel{%
9835 \csname p@footnote\endcsname\@thefnmark}%
9836 \color@begingroup
9837 \@eightcolfootfmt{#1}%
9838 \color@endgroup}%
9839 \m@mmf@prepare}
9840 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL
9841 \def\baselinestretch{\m@footnote@spacing}%
9842 \reset@font\LTRfoottextfont
9843 \@preamfntext
9844 \protected@edef\@currentlabel{%
9845 \csname p@footnote\endcsname\@thefnmark}%
9846 \color@begingroup
9847 \@eightcolLTRfootfmt{#1}%
9848 \color@endgroup}%
9849 \m@mmf@prepare}
9850 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9851 \def\baselinestretch{\m@footnote@spacing}%
9852 \reset@font\RTLfoottextfont
9853 \@preamfntext
9854 \protected@edef\@currentlabel{%
9855 \csname p@footnote\endcsname\@thefnmark}%
9856 \color@begingroup
9857 \@eightcolRTLfootfmt{#1}%
9858 \color@endgroup}%
9859 \m@mmf@prepare}
9860 \bidi@ensure@newcommand{\@preameightfmt}{%
9861 \hsize .125\hsize
9862 \parindent=\z@
9863 \tolerance=5000\relax

```

```

9864 \leavevmode}
9865 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9866 \@preameightfmt
9867 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9868 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9869 \@preameightfmt
9870 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9871 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9872 \@preameightfmt
9873 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9874 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9875 \global\setbox\@mpfootinsv\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9876 \unvbox\@mpfootinsv\@r
9877 \def\baselinestretch{\m@mm@footnote@spacing}%
9878 \reset@font\foottextfont
9879 \hsize\columnwidth \@parboxrestore
9880 \protected@edef\@currentlabel{%
9881 \csname p@mpfootnote\endcsname\@thefnmark}%
9882 \color@begingroup
9883 \@eightcolfootfmt{#1}%
9884 \color@endgroup}%
9885 \m@mmf@prepare}
9886 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9887 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLfalse%
9888 \unvbox\@mpfootinsv\@r
9889 \def\baselinestretch{\m@mm@footnote@spacing}%
9890 \reset@font\LTRfoottextfont
9891 \hsize\columnwidth \@parboxrestore
9892 \if@RTLcolumnfootnotes\beginL\fi
9893 \protected@edef\@currentlabel{%
9894 \csname p@mpfootnote\endcsname\@thefnmark}%
9895 \color@begingroup
9896 \@eightcolLTRfootfmt{#1}%
9897 \color@endgroup}%
9898 \m@mmf@prepare}
9899 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9900 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
9901 \unvbox\@mpfootinsv\@r
9902 \def\baselinestretch{\m@mm@footnote@spacing}%
9903 \reset@font\RTLfoottextfont
9904 \hsize\columnwidth \@parboxrestore
9905 \protected@edef\@currentlabel{%
9906 \csname p@mpfootnote\endcsname\@thefnmark}%
9907 \color@begingroup
9908 \@eightcolRTLfootfmt{#1}%
9909 \color@endgroup}%
9910 \m@mmf@prepare}
9911 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9912 \@namedef{\@eightcol@footgroup#1}{%
9913 \def\baselinestretch{\m@mm@footnote@spacing}%
9914 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9915 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9916 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9917 \@namedef{\@mpeightcol@footgroup#1}{%
9918 \def\baselinestretch{\m@mm@footnote@spacing}%
9919 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9920 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{8}{\splittopskip}}}%

```



```

9921 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9922   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9923   \@bidi@before@Hy@hyperfootnotes
9924   \let\@footnotetext\@ninecolfootnotetext
9925   \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9926   \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9927   \dimen\footinsv@r=9\footinsdim
9928   \count\footinsv@r=111\relax
9929   \m@make@ninecol@footgroup{v@r}%
9930   \let\@footgroupv@r\@ninecol@footgroupv@r
9931   \let\@mpfootnotetext\@mpninecolfootnotetext
9932   \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9933   \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9934   \@bidi@after@Hy@hyperfootnotes
9935   \m@make@mpninecol@footgroup{v@r}%
9936   \let\mp@footgroupv@r\@mpninecol@footgroupv@r
9937   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9938 }
9939 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\footnotetext{#1}}}%
9940 \def\baselinestretch{\m@m@footnote@spacing}%
9941 \reset@font\foottextfont
9942 \@preamfntext
9943 \protected@edef\@currentlabel{%
9944   \csname p@footnote\endcsname\@thefnmark}%
9945 \color@begingroup
9946   \@ninecolfootfmt{#1}%
9947 \color@endgroup}%
9948 \m@mmf@prepare}
9949 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\footnotetext{#1}}}%
9950 \def\baselinestretch{\m@m@footnote@spacing}%
9951 \reset@font\LTRfoottextfont
9952 \@preamfntext
9953 \protected@edef\@currentlabel{%
9954   \csname p@footnote\endcsname\@thefnmark}%
9955 \color@begingroup
9956   \@ninecolLTRfootfmt{#1}%
9957 \color@endgroup}%
9958 \m@mmf@prepare}
9959 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue\footnotetext{#1}}}%
9960 \def\baselinestretch{\m@m@footnote@spacing}%
9961 \reset@font\RTLfoottextfont
9962 \@preamfntext
9963 \protected@edef\@currentlabel{%
9964   \csname p@footnote\endcsname\@thefnmark}%
9965 \color@begingroup
9966   \@ninecolRTLfootfmt{#1}%
9967 \color@endgroup}%
9968 \m@mmf@prepare}
9969 \bidi@ensure@newcommand{\@preamninefmt}{%
9970   \hsize .1\hsize
9971   \parindent=\z@
9972   \tolerance=5000\relax
9973   \leavevmode}
9974 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9975   \@preamninefmt
9976   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9977 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%

```



```

9978 \@preamninefmt
9979 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9980 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9981 \@preamninefmt
9982 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9983 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9984 \global\setbox\@mpfootinsv\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9985 \unvbox\@mpfootinsv}
9986 \def\baselinestretch{\m@mm@footnote@spacing}%
9987 \reset@font\foottextfont
9988 \hsize\columnwidth \@parboxrestore
9989 \protected@edef\@currentlabel{%
9990 \csname p@mpfootnote\endcsname\@thefnmark}%
9991 \color@begingroup
9992 \@ninecolfootfmt{#1}%
9993 \color@endgroup}%
9994 \m@mmf@prepare}
9995 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9996 \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
9997 \unvbox\@mpfootinsv}
9998 \def\baselinestretch{\m@mm@footnote@spacing}%
9999 \reset@font\LTRfoottextfont
10000 \hsize\columnwidth \@parboxrestore
10001 \if@RTLcolumnfootnotes\beginL\fi
10002 \protected@edef\@currentlabel{%
10003 \csname p@mpfootnote\endcsname\@thefnmark}%
10004 \color@begingroup
10005 \@ninecolLTRfootfmt{#1}%
10006 \color@endgroup}%
10007 \m@mmf@prepare}
10008 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10009 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
10010 \unvbox\@mpfootinsv}
10011 \def\baselinestretch{\m@mm@footnote@spacing}%
10012 \reset@font\RTLfoottextfont
10013 \hsize\columnwidth \@parboxrestore
10014 \protected@edef\@currentlabel{%
10015 \csname p@mpfootnote\endcsname\@thefnmark}%
10016 \color@begingroup
10017 \@ninecolRTLfootfmt{#1}%
10018 \color@endgroup}%
10019 \m@mmf@prepare}
10020 \bidi@ensure@newcommand{\@make@ninecol@footgroup}[1]{%
10021 \@namedef{\@ninecol@footgroup#1}{%
10022 \def\baselinestretch{\m@mm@footnote@spacing}%
10023 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10024 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
10025 \bidi@ensure@newcommand{\@make@mpninecol@footgroup}[1]{%
10026 \@namedef{\@mpninecol@footgroup#1}{%
10027 \def\baselinestretch{\m@mm@footnote@spacing}%
10028 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10029 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}%
10030 \bidi@ensure@newcommand{\@tencolumnfootnotes}{%
10031 \@namedef{\foottextfontv\@}{\foottextfont}% % [RS]
10032 \@bidi@before@Hy@hyperfootnotes
10033 \let\@footnotetext\@tencolfootnotetext
10034 \let\@LTRfootnotetext\@tencolLTRfootnotetext

```



```

10035 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10036 \dimen\footinsv@r=10\footinsdim
10037 \count\footinsv@r=100\relax
10038 \m@make@tencol@footgroup{v@r}%
10039 \let\@footgroupv@r\@tencol@footgroupv@r
10040 \let\@mpfootnotetext\@mptencolfootnotetext
10041 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10042 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10043 \@bidi@after@Hy@hyperfootnotes
10044 \m@make@mptencol@footgroup{v@r}%
10045 \let\mp@footgroupv@r\@mptencol@footgroupv@r
10046 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10047 }
10048 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTL
10049 \def\baselinestretch{\m@m@footnote@spacing}%
10050 \reset@font\foottextfont
10051 \@preamfntext
10052 \protected@edef\@currentlabel{%
10053 \csname p@footnote\endcsname\@thefnmark}%
10054 \color@begingroup
10055 \@tencolfootfmt{#1}%
10056 \color@endgroup}%
10057 \m@m@mmf@prepare}
10058 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@columnfootnotes\beginL\fi
10059 \def\baselinestretch{\m@m@footnote@spacing}%
10060 \reset@font\LTRfoottextfont
10061 \@preamfntext
10062 \protected@edef\@currentlabel{%
10063 \csname p@footnote\endcsname\@thefnmark}%
10064 \color@begingroup
10065 \@tencolLTRfootfmt{#1}%
10066 \color@endgroup}%
10067 \m@m@mmf@prepare}
10068 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10069 \def\baselinestretch{\m@m@footnote@spacing}%
10070 \reset@font\RTLfoottextfont
10071 \@preamfntext
10072 \protected@edef\@currentlabel{%
10073 \csname p@footnote\endcsname\@thefnmark}%
10074 \color@begingroup
10075 \@tencolRTLfootfmt{#1}%
10076 \color@endgroup}%
10077 \m@m@mmf@prepare}
10078 \bidi@ensure@newcommand{\@preamtenfmt}{%
10079 \hsize .1\hsize
10080 \parindent=\z@
10081 \tolerance=5000\relax
10082 \leavevmode}
10083 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10084 \@preamtenfmt
10085 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10086 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10087 \@preamtenfmt
10088 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10089 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10090 \@preamtenfmt
10091 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}

```




```

10092 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10093   \global\setbox\@mpfootinsv\@r\@vbox{\if@RTL@footnote@RTLtrue\else\@RTLfalse\fi%
10094     \unvbox\@mpfootinsv@r
10095     \def\baselinestretch{\m@{footnote@spacing}%
10096       \reset@font\foottextfont
10097       \hsize\columnwidth \@parboxrestore
10098       \protected@edef\@currentlabel{%
10099         \csname p@mpfootnote\endcsname\@thefnmark}%
10100   \color@begingroup
10101     \@tencolfootfmt{#1}%
10102   \color@endgroup}%
10103   \m@mmf@prepare}
10104 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10105   \global\setbox\@mpfootinsv\@r\@vbox{\@RTLfalse%
10106     \unvbox\@mpfootinsv@r
10107     \def\baselinestretch{\m@{footnote@spacing}%
10108       \reset@font\LTRfoottextfont
10109       \hsize\columnwidth \@parboxrestore
10110       \if@RTLcolumnfootnotes\beginL\fi
10111       \protected@edef\@currentlabel{%
10112         \csname p@mpfootnote\endcsname\@thefnmark}%
10113   \color@begingroup
10114     \@tencolLTRfootfmt{#1}%
10115   \color@endgroup}%
10116   \m@mmf@prepare}
10117 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10118   \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
10119     \unvbox\@mpfootinsv@r
10120     \def\baselinestretch{\m@{footnote@spacing}%
10121       \reset@font\RTLfoottextfont
10122       \hsize\columnwidth \@parboxrestore
10123       \protected@edef\@currentlabel{%
10124         \csname p@mpfootnote\endcsname\@thefnmark}%
10125   \color@begingroup
10126     \@tencolRTLfootfmt{#1}%
10127   \color@endgroup}%
10128   \m@mmf@prepare}
10129 \bidi@ensure@newcommand{\@make@tencol@footgroup}[1]{%
10130   \@namedef{\@tencol@footgroup#1}{%
10131     \def\baselinestretch{\m@{footnote@spacing}%
10132       \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10133       \m@{mrigidbalance}{\@nameuse{footins#1}}{10}{\splittopskip}}}%
10134 \bidi@ensure@newcommand{\@make@mptencol@footgroup}[1]{%
10135   \@namedef{\@mptencol@footgroup#1}{%
10136     \def\baselinestretch{\m@{footnote@spacing}%
10137       \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10138       \m@{mrigidbalance}{\@nameuse{\@mpfootins#1}}{10}{\splittopskip}}}%
10139 \bidi@ensure@newcommand{\@munvxh}[1]{%
10140   \setbox0=\vbox{\unvbox#1%
10141     \global\setbox1=\lastbox}%
10142   \unhbox1
10143   \unskip
10144   \unskip
10145   \unpenalty
10146   \hskip\m@{mipn@skip}
10147 \bidi@ensure@newcommand{\@mungebox}{%
10148   \setbox0=\hbox{\@munvxh0}%

```



```

10149 \dp0=\z@
10150 \ht0=\footfudgefactor\wd0
10151 \box0
10152 \penalty0}
10153 \newskip\m@mipn@skip
10154 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
10155   {\foottextfont\global\m@mipn@skip=#1\relax}}
10156 \m@minterparanoteglue{1em plus.4em minus.4em}
10157 \@ifpackageloaded{multicol}{%
10158 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10159   \hsize\textwidth%
10160   \setbox0=\hbox{}%
10161   \loop
10162     \unpenalty
10163     \setbox2=\lastbox
10164     \ifhbox2
10165       \setbox0=\hbox{\box2\unhbox0}
10166     \repeat}
10167 }{%
10168 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10169   \setbox0=\hbox{}%
10170   \loop
10171     \unpenalty
10172     \setbox2=\lastbox
10173     \ifhbox2
10174       \setbox0=\hbox{\box2\unhbox0}
10175     \repeat}}
10176 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10177   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10178 \newcommand*{\AddExtraParaSkip}[1]{%
10179   \if@bidi@csdef{footfudgefactor}{%
10180     \PackageError{bidi}{%
10181       The control sequence `'\string\AddExtraParaSkip`
10182       must be used before the control sequence
10183       `'\string\paragraphfootnotes' in the preamble%
10184     }{\@ehc
10185   }{%
10186     \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
10187   }%
10188 }
10189 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10190   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10191   \@bidi@before@Hy@hyperfootnotes
10192   \let\@footnotetext\@parafootnotetext
10193   \let\@LTRfootnotetext\@paraLTRfootnotetext
10194   \let\@RTLfootnotetext\@paraRTLfootnotetext
10195   \dimen\footinsv@r=\footinsdim
10196   \count\footinsv@r=1000\relax
10197   \m@make@para@footgroup{v@r}%
10198   \m@make@para@footstart{v@r}%
10199   \let\@footgroupv@r\@para@footgroupv@r
10200   \let\@footstartv@r\@para@footstartv@r
10201   \dimen\footinsv@l=\footinsdim
10202   \count\footinsv@l=1000\relax
10203   \bidi@make@para@LTRfootgroup{v@l}%
10204   \m@make@para@footstart{v@l}%
10205   \bidi@make@para@footstart@{v@l}%

```



```

10206 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10207 \let\@footstartv@l\@para@footstartv@l
10208 \let\@footstart@v@l\@para@footstart@v@l
10209 \let\@mpfootnotetext\@mpparafootnotetext
10210 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10211 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10212 \@bidi@after@Hy@hyperfootnotes
10213 \m@make@mppara@footgroup{v@r}%
10214 \bidi@make@mppara@LTRfootgroup{v@l}%
10215 \let\mp@footgroupv@r\@mppara@footgroupv@r
10216 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10217 \begingroup
10218 \def\baselinestretch{\m@m@footnote@spacing}%
10219 \foottextfont
10220 \@tempdima\footnotesep
10221 \advance\@tempdima -\ht\strutbox
10222 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10223 \advance\@tempdima.5\normalbaselineskip
10224 \bidi@xparaskip
10225 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10226 \ifdim\skip\footinsv@r>\bigskipamount
10227 \else
10228   \global\advance\skip\footinsv@r\bidi@paraskip
10229 \fi
10230 \ifdim\skip\footinsv@l>\bigskipamount
10231 \else
10232   \global\advance\skip\footinsv@l\bidi@paraskip
10233 \fi
10234 \@tempdima\normalbaselineskip
10235 \multiply \@tempdima \@cclvi
10236 \@tempdimb \columnwidth
10237 \divide \@tempdimb \@cclvi
10238 \divide \@tempdima \@tempdimb
10239 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10240 \endgroup
10241 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10242 }
10243 \newcommand{\normalRTLparaLTRfootnotes}{%
10244   \@namedef{foottextfontv@r}{\foottextfont}%
10245   \@bidi@before@Hy@hyperfootnotes
10246   \if@RTL@footnote
10247     \let\@footnotetext\m@mold@footnotetext
10248   \else
10249     \let\@footnotetext\@parafootnotetext
10250   \fi
10251   \let\@LTRfootnotetext\@paraLTRfootnotetext
10252   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
10253   \dimen\footinsv@r=\footinsdim
10254   \count\footinsv@r=1000\relax
10255   \m@make@para@footgroup{v@r}%
10256   \m@make@para@footstart{v@r}%
10257   \let\@footgroupv@r\@para@footgroupv@r
10258   \let\@footstartv@r\@para@footstartv@r
10259   \dimen\footinsv@l=\footinsdim
10260   \count\footinsv@l=1000\relax
10261   \bidi@make@para@LTRfootgroup{v@l}%
10262   \m@make@para@footstart{v@l}%

```



```

10263 \bidi@make@para@footstart@{v@l}%
10264 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10265 \let\@footstartv@l\@para@footstartv@l
10266 \let\@@footstart@v@l\@para@footstart@v@l
10267 \if@RTL@footnote
10268 \let\@mpfootnotetext\m@mold@mpfootnotetext
10269 \else
10270 \let\@mpfootnotetext\@mpparafootnotetext
10271 \fi
10272 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10273 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
10274 \@bidi@after@Hy@hyperfootnotes
10275 \m@make@mppara@footgroup{v@r}%
10276 \bidi@make@mppara@LTRfootgroup{v@l}%
10277 \let\mp@footgroupv@r\@mppara@footgroupv@r
10278 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10279 \begin@group
10280 \def\baselinestretch{\m@m@footnote@spacing}%
10281 \foottextfont
10282 \@tempdima\footnotesep
10283 \advance\@tempdima -\ht\strutbox
10284 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10285 \advance\@tempdima.5\normalbaselineskip
10286 \bidi@xparaskip
10287 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10288 \ifdim\skip\footinsv@r>\bigskipamount
10289 \else
10290 \global\advance\skip\footinsv@r\bidi@paraskip
10291 \fi
10292 \ifdim\skip\footinsv@l>\bigskipamount
10293 \else
10294 \global\advance\skip\footinsv@l\bidi@paraskip
10295 \fi
10296 \@tempdima\normalbaselineskip
10297 \multiply \@tempdima \@cclvi
10298 \@tempdimb \columnwidth
10299 \divide \@tempdimb \@cclvi
10300 \divide \@tempdima \@tempdimb
10301 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10302 \endgroup
10303 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10304 }
10305 \let\bidi@xparaskip\relax
10306 \@onlypreamble\AddExtraParaSkip
10307 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
10308 \if@RTL@footnote
10309 \footinsv@r
10310 \else
10311 \footinsv@l
10312 \fi
10313 {%
10314 \let\bidi@RTL@everypar\@empty%
10315 \def\baselinestretch{\m@m@footnote@spacing}%
10316 \reset@font\foottextfont
10317 \@preamfntext
10318 \protected@edef\@currentlabel{%
10319 \csname p@footnote\endcsname\@thefnmark}%

```



```

10320 \setbox0=\vbox{\hsize=\maxdimen
10321 \color@begingroup
10322 \noindent \@parafootfmt{#1}%
10323 \color@endgroup}%
10324 \m@mungebox}\m@mmf@prepare}
10325 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
10326 \let\bidi@RTL@everypar\@empty%
10327 \def\baselinestretch{\m@m@footnote@spacing}%
10328 \reset@font\LTRfoottextfont
10329 \@preamfntext
10330 \protected@edef\@currentlabel{%
10331 \csname p@footnote\endcsname\@thefnmark}%
10332 \setbox0=\vbox{\hsize=\maxdimen
10333 \color@begingroup
10334 \noindent \@paraLTRfootfmt{#1}%
10335 \color@endgroup}%
10336 \m@mungebox}\m@mmf@prepare}
10337 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10338 \let\bidi@RTL@everypar\@empty%
10339 \def\baselinestretch{\m@m@footnote@spacing}%
10340 \reset@font\RTLfoottextfont
10341 \@preamfntext
10342 \protected@edef\@currentlabel{%
10343 \csname p@footnote\endcsname\@thefnmark}%
10344 \setbox0=\vbox{\hsize=\maxdimen
10345 \color@begingroup
10346 \noindent \@paraRTLfootfmt{#1}%
10347 \color@endgroup}%
10348 \m@mungebox}\m@mmf@prepare}
10349 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10350 \parindent=\z@
10351 \parfillskip=0pt \@plus 1fil
10352 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10353 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10354 \parindent=\z@
10355 \parfillskip=0pt \@plus 1fil
10356 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10357 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10358 \parindent=\z@
10359 \parfillskip=0pt \@plus 1fil
10360 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10361 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10362 \global\setbox
10363 \if@RTL@footnote
10364 \@mpfootinsv@r
10365 \else
10366 \@mpfootinsv@l
10367 \fi
10368 \vbox{%
10369 \let\bidi@RTL@everypar\@empty%
10370 \def\baselinestretch{\m@m@footnote@spacing}%
10371 \unvbox
10372 \if@RTL@footnote
10373 \@mpfootinsv@r
10374 \else
10375 \@mpfootinsv@l
10376 \fi

```



```

10377 \reset@font\foottextfont
10378 \hsize\columnwidth \@parboxrestore
10379 \protected@edef\@currentlabel{%
10380 \csname p@mpfootnote\endcsname\@thefnmark}%
10381 \setbox0=\vbox{\hsize=\maxdimen
10382 \color@begingroup
10383 \noindent \@parafootfmt{#1}%
10384 \color@endgroup}%
10385 \m@mungebox}\m@mmf@prepare}
10386 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10387 \global\setbox\@mpfootinsv@l\vbox{%
10388 \let\bidi@RTL@everypar\@empty%
10389 \def\baselinestretch{\m@m@footnote@spacing}%
10390 \unvbox\@mpfootinsv@l
10391 \reset@font\LTRfoottextfont
10392 \hsize\columnwidth \@parboxrestore
10393 \protected@edef\@currentlabel{%
10394 \csname p@mpfootnote\endcsname\@thefnmark}%
10395 \setbox0=\vbox{\hsize=\maxdimen
10396 \color@begingroup
10397 \noindent \@paraLTRfootfmt{#1}%
10398 \color@endgroup}%
10399 \m@mungebox}\m@mmf@prepare}
10400 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10401 \global\setbox\@mpfootinsv@r\vbox{%
10402 \let\bidi@RTL@everypar\@empty%
10403 \def\baselinestretch{\m@m@footnote@spacing}%
10404 \unvbox\@mpfootinsv@r
10405 \reset@font\RTLfoottextfont
10406 \hsize\columnwidth \@parboxrestore
10407 \protected@edef\@currentlabel{%
10408 \csname p@mpfootnote\endcsname\@thefnmark}%
10409 \setbox0=\vbox{\hsize=\maxdimen
10410 \color@begingroup
10411 \noindent \@paraRTLfootfmt{#1}%
10412 \color@endgroup}%
10413 \m@mungebox}\m@mmf@prepare}
10414 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10415 \@namedef{@para@footgroup#1}{%
10416 \unvbox\@nameuse{footins#1}
10417 \@RTLtrue
10418 \m@mmakehboxofhboxes
10419 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10420 \@parboxrestore%
10421 \def\baselinestretch{\m@m@footnote@spacing}%
10422 \@nameuse{foottextfont#1}%
10423 \noindent\unhbox0\par}}
10424 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
10425 \@namedef{@para@LTRfootgroup#1}{%
10426 \unvbox\@nameuse{footins#1}
10427 \@RTLfalse
10428 \m@mmakehboxofhboxes
10429 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10430 \@parboxrestore%
10431 \def\baselinestretch{\m@m@footnote@spacing}%
10432 \@nameuse{foottextfont#1}%
10433 \noindent\unhbox0\par}}

```



```

10434 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10435 \@namedef{@mppara@footgroup#1}{%
10436   \unvbox\@nameuse{@mpfootins#1}
10437   \@RTLtrue
10438   \m@mmakehboxofhboxes
10439   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10440   \def\baselinestretch{\m@m@footnote@spacing}%
10441   \@nameuse{foottextfont#1}%
10442   \noindent\unhbox0\par}}
10443 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
10444 \@namedef{@mppara@LTRfootgroup#1}{%
10445   \unvbox\@nameuse{@mpfootins#1}
10446   \@RTLfalse
10447   \m@mmakehboxofhboxes
10448   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10449   \def\baselinestretch{\m@m@footnote@spacing}%
10450   \@nameuse{foottextfont#1}%
10451   \noindent\unhbox0\par}}
10452 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10453 \@namedef{@para@footstart#1}{%
10454   \if@bidi@void@footins
10455     \bidi@mopfn@bottom
10456     \fi
10457     \leftskip=\z@
10458     \rightskip=\z@
10459     \parindent=\z@
10460     \vskip\skip\footins
10461     \if@bidi@void@footins
10462       \footnoterule
10463       \fi}}
10464 \bidi@ensure@newcommand{\bidi@make@para@footstart@@}[1]{%
10465 \@namedef{@@para@footstart@@#1}{%
10466   \leftskip=\z@
10467   \rightskip=\z@
10468   \parindent=\z@
10469   \vskip\skip\footins}}
10470 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10471 \xdef\@freelist{\@freelist\@midlist}%
10472 \global\let\@midlist\@empty
10473 \@combinefloats}
10474 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10475 \ifvbox\@kludgeins
10476   \@makespecialcolbox
10477   \else
10478     \setbox\@outputbox \vbox to\@colht{%
10479       \@texttop
10480       \dimen@ \dp\@outputbox
10481       \unvbox \@outputbox
10482       \vskip -\dimen@
10483       \@textbottom}%
10484   \fi}
10485 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10486 \bidi@ensure@newcommand*{\m@m@mopfootnote}{\setbox\@outputbox \vbox{%
10487   \boxmaxdepth\@maxdepth
10488   \@tempdima\dp\@cclv
10489   \unvbox\@cclv
10490   \vskip-\@tempdima

```



```

10491 \bidi@mopfn@bottom
10492 \vskip \skip\footins
10493 \color@begingroup
10494 \normalcolor
10495 \footnoterule
10496 \unvbox \footins
10497 \color@endgroup
10498 }%
10499 }
10500 \newcommand*{\bidi@mopfootnotebf}{%
10501 \setbox\@outputbox \vbox{%
10502 \boxmaxdepth\@maxdepth
10503 \unvbox\@outputbox
10504 \bidi@mopfn@bottom
10505 \vskip\skip\footins
10506 \color@begingroup
10507 \normalcolor
10508 \footnoterule
10509 \unvbox \footins
10510 \color@endgroup
10511 }%
10512 }
10513 \gdef\mem@makecol{%
10514 \m@m@makecolintro
10515 \ifvoid\footins
10516 \global\@bidi@void@footinstrue
10517 \setbox\@outputbox \box\@cclv
10518 \else
10519 \global\@bidi@void@footinsfalse
10520 \m@mopfootnote
10521 \fi
10522 \m@mdoextrafeet
10523 \m@m@makecolfloats
10524 \m@m@makecoltext
10525 \global \maxdepth \@maxdepth}
10526 \gdef\bidi@makecolbf{%
10527 \m@m@makecolintro
10528 \setbox\@outputbox \box\@cclv
10529 \m@m@makecolfloats
10530 \ifvoid\footins
10531 \global\@bidi@void@footinstrue
10532 \else
10533 \global\@bidi@void@footinsfalse
10534 \bidi@mopfootnotebf
10535 \fi
10536 \m@mdoextrafeet
10537 \m@m@makecoltext
10538 \global \maxdepth \@maxdepth}
10539 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10540 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10541 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10542 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10543 \FeetAboveFloat
10544 \FeetBelowRagged

```

56 File extreport-xetex-bidi.def




```

10545 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class for XeTeX
10546 \renewcommand*\l@part[2]{%
10547   \ifnum \c@tocdepth >-2\relax
10548     \addpenalty{-\@highpenalty}%
10549     \addvspace{2.25em \@plus\p@}%
10550     \begingroup
10551       \setlength\@tempdima{3em}%
10552       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10553       \parfillskip -\@pnumwidth
10554       {\leavevmode
10555         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10556       \nobreak
10557       \global\@nobreaktrue
10558       \everypar{\global\@nobreakfalse\everypar{}}%
10559     \endgroup
10560   \fi}
10561 \renewcommand*\l@chapter[2]{%
10562   \ifnum \c@tocdepth >\m@ne
10563     \addpenalty{-\@highpenalty}%
10564     \vskip 1.0em \@plus\p@
10565     \setlength\@tempdima{1.5em}%
10566     \begingroup
10567       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10568       \parfillskip -\@pnumwidth
10569       \leavevmode \bfseries
10570       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10571       \hskip -\if@RTL\rightskip\else\leftskip\fi
10572       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10573       \penalty\@highpenalty
10574     \endgroup
10575   \fi}
10576 \def\@makechapterhead#1{%
10577   \vspace*{50\p@}%
10578   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10579     \ifnum \c@secnumdepth >\m@ne
10580       \huge\bfseries \@chapapp\space \thechapter
10581       \par\nobreak
10582       \vskip 20\p@
10583     \fi
10584     \interlinepenalty\@M
10585     \Huge \bfseries #1\par\nobreak
10586     \vskip 40\p@
10587   }}
10588 \def\@makeschapterhead#1{%
10589   \vspace*{50\p@}%
10590   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10591     \normalfont
10592     \interlinepenalty\@M
10593     \Huge \bfseries #1\par\nobreak
10594     \vskip 40\p@
10595   }}
10596 \renewcommand\left@footnoterule{%
10597   \kern-3\p@
10598   \hrule\@width.4\columnwidth
10599   \kern2.6\p@}
10600 \renewcommand\right@footnoterule{%
10601   \kern-3\p@

```



```

10602 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10603 \kern2.6\p@}
10604 \renewenvironment{thebibliography}[1]
10605     {\chapter*{\bibname
10606       \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10607       \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
10608       \bidi@thebibliography@font@hook%
10609       \list{\@biblabel{\@arabic\c@enumiv}}%
10610         {\settowidth\labelwidth{\@biblabel{#1}}%
10611          \leftmargin\labelwidth
10612          \advance\leftmargin\labelsep
10613          \openbib@code
10614          \usecounter{enumiv}%
10615          \let\p@enumiv\@empty
10616          \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10617       \sloppy\clubpenalty4000\widowpenalty4000%
10618       \sfcode`..\@m}
10619     {\def\@noitemerr
10620      {\@latex@warning{Empty `thebibliography' environment}}%
10621      \endlist}
10622 \if@titlepage
10623 \renewcommand\maketitle{\begin{titlepage}%
10624 \let\footnotesize\small
10625 \let\right@footnoterule\relax
10626 \let\left@footnoterule\relax
10627 \let\textwidth\footnoterule\relax
10628 \let \footnote \thanks
10629 \null\vfil
10630 \vskip 60\p@
10631 \begin{center}%
10632   {\LARGE \@title \par}%
10633   \vskip 3em%
10634   {\large
10635     \lineskip .75em%
10636     \begin{tabular}[t]{c}%
10637       \@author
10638     \end{tabular}\par}%
10639     \vskip 1.5em%
10640     {\large \@date \par}%      % Set date in \large size.
10641 \end{center}\par
10642 \@thanks
10643 \vfil\null
10644 \end{titlepage}%
10645 \setcounter{footnote}{0}%
10646 \global\let\thanks\relax
10647 \global\let\maketitle\relax
10648 \global\let\@thanks\@empty
10649 \global\let\@author\@empty
10650 \global\let\@date\@empty
10651 \global\let\@title\@empty
10652 \global\let\title\relax
10653 \global\let\author\relax
10654 \global\let\date\relax
10655 \global\let\and\relax
10656 }
10657 \else
10658 \renewcommand\maketitle{\par

```



```

10659 \begingroup
10660 \renewcommand\thefootnote{\fnsymbol\c@footnote}%
10661 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10662 \long\def\@makefnmark##1{\parindent 1em\noindent
10663 \hb@xt@1.8em{%
10664 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10665 \if@twocolumn
10666 \ifnum \col@number=\@one
10667 \maketitle
10668 \else
10669 \twocolumn[\maketitle]%
10670 \fi
10671 \else
10672 \newpage
10673 \global\@topnum\z@ % Prevents figures from going at top of page.
10674 \maketitle
10675 \fi
10676 \thispagestyle{plain}\@thanks
10677 \endgroup
10678 \setcounter{footnote}{0}%
10679 \global\let\thanks\relax
10680 \global\let\maketitle\relax
10681 \global\let\@maketitle\relax
10682 \global\let\@thanks\@empty
10683 \global\let\@author\@empty
10684 \global\let\@date\@empty
10685 \global\let\@title\@empty
10686 \global\let\title\relax
10687 \global\let\author\relax
10688 \global\let\date\relax
10689 \global\let\and\relax
10690 }
10691 \def\@maketitle{%
10692 \newpage
10693 \null
10694 \vskip 2em%
10695 \begin{center}%
10696 \let \footnote \thanks
10697 {\LARGE \@title \par}%
10698 \vskip 1.5em%
10699 {\large
10700 \lineskip .5em%
10701 \begin{tabular}[t]{c}%
10702 \@author
10703 \end{tabular}\par}%
10704 \vskip 1em%
10705 {\large \@date}%
10706 \end{center}%
10707 \par
10708 \vskip 1.5em}
10709 \fi
10710 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10711 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10712 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10713 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10714 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10715 \renewcommand\theequation{%

```



```

10716 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10717 \renewcommand\thefigure{%
10718 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10719 \renewcommand\thetable{%
10720 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

57 File fancybox-xetex-bidi.def

```

10721 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for XeTeX]
10722 \def\fancy@oval#1#2#3{%
10723 \boxmaxdepth \maxdimen
10724 \@ovttrue \ovbtrue \@ovltrue \ovrtrue
10725 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10726 \ovxx#1\relax
10727 \advance\ovxx-\@wholewidth
10728 \ovyy#2\relax
10729 \advance\ovyy-\@wholewidth
10730 \@tempdimb \ifdim \ovyy >\ovxx \ovxx \ovxx\else \ovyy \fi
10731 \advance\@tempdimb-2\p@
10732 \ifdim\@tempdimb>\the@cornersize\relax
10733 \@tempdimb=\the@cornersize
10734 \fi
10735 \getcirc\@tempdimb
10736 \ovro\ht\@tempboxa \ovri\dp\@tempboxa
10737 \ovdx\ovxx \advance\ovdx-\@tempdima \divide\ovdx \tw@
10738 \ovdy\ovyy \advance\ovdy-\@tempdima \divide\ovdy \tw@
10739 \circlefth
10740 \setbox\@tempboxa\hbox{\beginL%
10741 \if@ovr \ovvert32\kern -\@tempdima \fi
10742 \if@ovl \kern \ovxx \ovvert01\kern -\@tempdima \kern -\ovxx \fi
10743 \if@ovt \ovhorz \kern -\ovxx \fi
10744 \if@ovb \raise \ovyy \ovhorz \fi\endL}%
10745 \advance\ovdx\ovro
10746 \advance\ovdy\ovro
10747 \advance\ovxx\@wholewidth
10748 \wd\@tempboxa=\ovxx
10749 \dp\@tempboxa=\z@}

```

58 File fancyhdr-xetex-bidi.def

```

10750 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package for XeTeX]
10751
10752 \let\f@nch@everypar\everypar
10753
10754 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10755 \f@nch@vbox\headheight{\hbox
10756 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10757 \parbox[b]{\headwidth}{\centering#3}\hfill
10758 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10759
10760 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10761 \f@nch@vbox\footskip{\footrule
10762 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10763 \parbox[t]{\headwidth}{\centering#3}\hfill
10764 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\footrule}}#5}
10765

```



59 File fix2col-xetex-bidi.def

```

10766 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package for XeTeX en
10767 \def\RTL@outputdblcol{%
10768   \if@firstcolumn
10769     \global\@firstcolumnfalse
10770     \global\setbox\@leftcolumn\copy\@outputbox
10771     \splitmaxdepth\maxdimen
10772     \vbadness\maxdimen
10773     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10774     \toks@\expandafter{\topmark}%
10775     \xdef\@firstcoltopmark{\the\toks@}%
10776     \toks@\expandafter{\splitfirstmark}%
10777     \xdef\@firstcolfirstmark{\the\toks@}%
10778     \ifx\@firstcolfirstmark\@empty
10779       \global\let\@setmarks\relax
10780     \else
10781       \gdef\@setmarks{%
10782         \let\firstmark\@firstcolfirstmark
10783         \let\topmark\@firstcoltopmark}%
10784     \fi
10785 \else \global\@firstcolumntrue
10786 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10787   \hspace \columnwidth
10788   \hfil \vrule width\columnseprule \hfil
10789   \hbox to\columnwidth {%
10790     \bidi@firstcolumn@status@write%
10791     \box\@leftcolumn \hss}%
10792     \hspace -\textwidth
10793     \hbox to\columnwidth{%
10794       \bidi@lastcolumn@status@write%
10795       \box\@outputbox \hss}%
10796       \hspace \columnsep
10797       \hspace \columnwidth }}}%
10798 \@combinedblfloats \@setmarks \@outputpage
10799 \begingroup \@dblfloatplacement \@startdblcolumn
10800 \@whilsw\if@fcolmade \fi
10801 {\@outputpage \@startdblcolumn }\endgroup
10802 \fi}
10803 \def\LTR@outputdblcol{%
10804   \if@firstcolumn
10805     \global\@firstcolumnfalse
10806     \global\setbox\@leftcolumn\copy\@outputbox
10807     \splitmaxdepth\maxdimen
10808     \vbadness\maxdimen
10809     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10810     \toks@\expandafter{\topmark}%
10811     \xdef\@firstcoltopmark{\the\toks@}%
10812     \toks@\expandafter{\splitfirstmark}%
10813     \xdef\@firstcolfirstmark{\the\toks@}%
10814     \ifx\@firstcolfirstmark\@empty
10815       \global\let\@setmarks\relax
10816     \else
10817       \gdef\@setmarks{%
10818         \let\firstmark\@firstcolfirstmark
10819         \let\topmark\@firstcoltopmark}%
10820     \fi

```



```

10821 \else
10822   \global\@firstcolumntrue
10823   \setbox\@outputbox\vbox{%
10824     \hb@xt@\textwidth{%
10825       \hb@xt@\columnwidth{%
10826         \bidi@firstcolumn@status@write%
10827         \box\@leftcolumn \hss}%
10828       \hfil
10829       \vrule \@width\columnseprule
10830       \hfil
10831       \hb@xt@\columnwidth{%
10832         \bidi@lastcolumn@status@write%
10833         \box\@outputbox \hss}}}%
10834 \@combinedblfloats
10835 \setmarks
10836 \outputpage
10837 \beginngroup
10838 \dblfloatplacement
10839 \startdblcolumn
10840 \@whiles\if@fcolmade \fi{\@outputpage\startdblcolumn}%
10841 \endgroup
10842 \fi}

```

60 File fleqn-xetex-bidi.def

```

10843 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX engine]
10844 \renewcommand\[\relax
10845   \ifmmode\@badmath
10846   \else
10847     \begin{trivlist}%
10848       \@beginparpenalty\predisplaypenalty
10849       \@endparpenalty\postdisplaypenalty
10850       \item[]\leavevmode
10851       \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10852       \hskip\mathindent\bgroup
10853     \fi}
10854 \renewcommand\]{\relax
10855   \ifmmode
10856     \egroup $\hfil% $
10857   \endL\egroup
10858   \end{trivlist}%
10859   \else \@badmath
10860   \fi}
10861 \renewenvironment{equation}%
10862   {\@beginparpenalty\predisplaypenalty
10863    \@endparpenalty\postdisplaypenalty
10864    \refstepcounter{equation}%
10865    \trivlist \item[]\leavevmode
10866    \hb@xt@\linewidth\bgroup\beginL $ \m@th% $
10867    \displaystyle
10868    \hskip\mathindent}%
10869   {\$ \hfil % $
10870    \displaywidth\linewidth\hbox{\@eqnnum}%
10871    \endL\egroup
10872   \endtrivlist}

```



61 File float-xetex-bidi.def

```
10873 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX engine]
10874 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10875 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10876 \else\hbox to\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}\fi}
10877 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10878 \expandafter\edef\csname the#1\endcsname{%
10879 \expandafter\noexpand\csname
10880 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10881 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}
```

62 File floatrow-xetex-bidi.def

```
10882 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
10883 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
10884 \expandafter\edef\csname theFB@capttype\endcsname{%
10885 \expandafter\noexpand\csname
10886 the#1\endcsname\@SepMark\noexpand\arabic{FB@capttype}}}
```

63 File flowfram-xetex-bidi.def

```
10887 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package for XeTeX]
10888 \def\@outputdblcol{%
10889 \@nxtcol=\c@thisframe
10890 \c@curpg=\c@page
10891 \@g@tnextcol{\@nxtcol}%
10892 \ifff@nwp % next flow frame starts on new page
10893 \global\@firstcolumntrue
10894 \setcolbox\c@thisframe
10895 \if@specialpage
10896 \global\@specialpagefalse
10897 \@nameuse{ps@\@specialstyle}\relax
10898 \fi
10899 \if@twoside
10900 \ifodd\count\z@
10901 \let\@thehead\@oddhead
10902 \let\@thefoot\@oddfoot
10903 \else
10904 \let\@thehead\@evenhead
10905 \let\@thefoot\@evenfoot
10906 \fi
10907 \else
10908 \let\@thehead\@oddhead
10909 \let\@thefoot\@oddfoot
10910 \fi
10911 \@begindvi
10912 \@dodynamicthehead\@dodynamicthefoot
10913 \vbadness=\@M
10914 \setbox\@outputbox\ vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10915 \@combinedblfloats
10916 \outputpage
10917 \advance\c@curpg by -\c@page\relax
10918 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10919 \setbox\@outputbox\ vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10920 \outputpage}
10921 \begingroup
```



```

10922 \@dblfloatplacement
10923 \@startdblcolumn
10924 \@whilesw \if@fcolmade \fi
10925 {\@outputpage \@startdblcolumn }\endgroup
10926 \@resetst@tics
10927 \@resetdyn@tics
10928 \else % still on same page, save contents of box255
10929 \global\@firstcolumnfalse
10930 \@setcolbox\c@thisframe
10931 \fi
10932 \global\c@thisframe=\@nxtcol
10933 \@setcol{\c@thisframe}\relax
10934 \global\@colht\vsizel
10935 }
10936 \def\@outputpage{%
10937 \begingroup
10938 \let\protect\@noexpand
10939 \@resetactivechars
10940 \global\let\@if@newlist\if@newlist
10941 \global\@newlistfalse\@parboxrestore
10942 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
10943 \bidi@beforeoutputpageshipouthook
10944 \shipout\@vbox{\set@typeset@protect
10945 \aftergroup
10946 \endgroup
10947 \aftergroup
10948 \set@typeset@protect
10949 \reset@font\normalsize
10950 \bidi@font\@outputpage
10951 \normalsfcodes
10952 \let\label\@gobble
10953 \let\index\@gobble
10954 \let\glossary\@gobble
10955 \baselineskip\z@skip
10956 \lineskip\z@skip
10957 \lineskiplimit\z@
10958 \vskip\topmargin\moveright\@themargin
10959 \vbox{%
10960 \global\let\@bidi@BeforeHeader\@firstofone
10961 \bidi@beforeheaderhook
10962 \vskip\headheight
10963 \vskip\headsep
10964 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
10965 \bidi@beforeoutputboxoutputpagehook
10966 \box\@outputbox
10967 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
10968 \bidi@afteroutputboxoutputpagehook
10969 }}%
10970 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
10971 \bidi@afteroutputpageshipouthook
10972 \global\let\if@newlist\@if@newlist
10973 \stepcounter{page}%
10974 \setcounter{displayedframe}{0}%
10975 \let\firstmark\botmark
10976 \global\let\@bidi@AtEndOutputPage\@firstofone
10977 \bidi@atendoutputpagehook
10978 }

```




```

10979
10980
10981 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{ }
10982 \expandafter\bidicolor\ff@txtcol}}
10983
10984 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10985 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
10986
10987
10988 \renewcommand*\@docolbox}[1]{%
10989 \edef\ff@frametype{%
10990 \csname @ff@frametype@\romannumeral#1\endcsname}%
10991 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10992 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10993 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10994 \@ff@setoffset{#1}%
10995 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10996 \ifthenelse{\boolean{columnframe\romannumeral#1}}{ }
10997 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10998 {\csname colheight\romannumeral#1\endcsname}{%
10999 \expandafter\box\csname column\romannumeral#1\endcsname}{%
11000 \csname\ff@frametype\endcsname}%
11001 } }
11002 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
11003 {\csname colheight\romannumeral#1\endcsname}{%
11004 \expandafter\box\csname column\romannumeral#1\endcsname}%
11005 }}}
11006 \@ifclassloaded{book}{%
11007 \renewcommand\theequation
11008 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11009 \renewcommand \thefigure
11010 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11011 \renewcommand \thetable
11012 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11013 \renewcommand \thechapter {\@arabic\c@chapter}
11014 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11015 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11016 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11017 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11018 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{ }
11019 \@ifclassloaded{report}{%
11020 \renewcommand\theequation
11021 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11022 \renewcommand \thefigure
11023 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11024 \renewcommand \thetable
11025 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11026 \renewcommand \thechapter {\@arabic\c@chapter}
11027 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11028 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11029 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11030 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11031 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{ }
11032 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11033 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}
11034 \else
11035 #2\relax

```



```
11036 \fi}
```

64 File footnote-xetex-bidi.def

```
11037 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11038 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11039 \newif\ifbidi@autofootnoterule
11040 \def\bidi@mpfootnoterule{\footnoterule}
11041 \newcounter{footdir@label}
11042 \renewcommand*{\thefootdir@label}{\footdir@the\value{footdir@label}}
11043 \newcommand*{\footdir@write}{%
11044   \stepcounter{footdir@label}%
11045   \zref@labelbyprops{\thefootdir@label}{abspage}%
11046 }
11047 \newif\iffootdir@debug
11048 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11049 \newtoks\footdir@toks
11050 \newcommand*{\footdir@debug}[1]{%
11051   \iffootdir@debug
11052     \typeout{[footdir] #1}%
11053   \fi
11054 }
11055 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11056 %  \newcommand*{\footdir@LeftRightElse}{%
11057 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
11058 %      \footdir@debug{abspage \the\value{zabspage}: else}%
11059 %      \ltx@thirdofthree
11060 %    }{%
11061 %      \if\csname footdir@the\value{zabspage}\endcsname L%
11062 %        \footdir@debug{abspage \the\value{zabspage}: left}%
11063 %        \expandafter\ltx@firstofthree
11064 %      \else
11065 %        \footdir@debug{abspage \the\value{zabspage}: right}%
11066 %        \expandafter\ltx@secondofthree
11067 %      \fi
11068 %    }%
11069 %  }%
11070 %}%
11071 \providecommand*{\c@zabspage}{\c@abspage}%
11072 \newcommand*{\footdir@LeftRightElse}{%
11073   \footdir@write
11074   \zifrefundefined{\thefootdir@label}{%
11075     \footdir@debug{abspage ??: else}%
11076     \ltx@thirdofthree
11077   }{%
11078     \edef\footdir@abspage{%
11079       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11080     }%
11081     \ltx@ifundefined{footdir@\footdir@abspage}{%
11082       \footdir@debug{\footdir@abspage: else}%
11083       \ltx@thirdofthree
11084     }{%
11085       \if\csname footdir@\footdir@abspage\endcsname L%
11086         \footdir@debug{\footdir@abspage: left}%
11087         \expandafter\ltx@firstofthree
11088       \else
11089         \footdir@debug{\footdir@abspage: right}%

```



```

11090         \expandafter\ltx@secondofthree
11091         \fi
11092     }%
11093 }%
11094 }%
11095 %}
11096 \newcommand*{\footdir@fntext}[1]{%
11097     \zifrefundefined{\thefootdir@label}{%
11098     }{%
11099         \edef\footdir@name{%
11100             footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11101         }%
11102         \@ifundefined{\footdir@name}{%
11103             \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11104         }{%
11105         }%
11106 }
11107
11108 \newcommand*{\footdir@temp}[3]{%
11109     \@ifdefinable{#1}{%
11110         \let#1#2%
11111         \renewcommand{#2}[1]{%
11112             \footdir@write
11113             \footdir@fntext{#3}%
11114             \stepcounter{footdir@label}%
11115             \footdir@fntext{#3}%
11116             \footdir@toks{##1}%
11117             \footdir@toks\expandafter{%
11118                 \the\expandafter\footdir@toks
11119                 \expandafter
11120                 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
11121             }%
11122             \expandafter#1\expandafter{\the\footdir@toks}%
11123         }%
11124     }%
11125 }
11126
11127 \def\right@footnoterule{%
11128     \kern-3\p@
11129     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11130     \kern2.6\p@}
11131 \def\left@footnoterule{\kern-3\p@
11132     \hrule \@width .4\columnwidth \kern 2.6\p@}
11133 \def\textwidth@footnoterule{\kern-3\p@
11134     \hrule \@width \columnwidth \kern 2.6\p@}
11135 \def\leftfootnoterule{%
11136     \bidi@autofootnoterulefalse%
11137     \def\footnoterule{\left@footnoterule}}
11138 \let\LRfootnoterule=\leftfootnoterule
11139 \def\rightfootnoterule{%
11140     \bidi@autofootnoterulefalse%
11141     \def\footnoterule{\right@footnoterule}}
11142 \def\textwidthfootnoterule{%
11143     \bidi@autofootnoterulefalse%
11144     \def\footnoterule{\textwidth@footnoterule}}
11145
11146

```



```

11147
11148 \def\auto@footnoterule{%
11149 \footdir@LeftRightElse%
11150 \left@footnoterule%
11151 \right@footnoterule%
11152 \left@footnoterule%
11153 }
11154
11155
11156
11157 \def\autofootnoterule{%
11158 \bidi@autofootnoteruletrue%
11159 \def\footnoterule{\auto@footnoterule}%
11160 }
11161
11162 \newcommand*\SplitFootnoteRule{%
11163   \gdef\split@prev{0}
11164   \let\pagefootnoterule\footnoterule
11165   \let\mpfootnoterule\footnoterule
11166   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11167   \def\footnoterule{\relax
11168     \ifx \@listdepth\@mplistdepth
11169       \mpfootnoterule
11170     \else
11171       \ifnum\split@prev=\z@
11172         \pagefootnoterule
11173       \else
11174         \splitfootnoterule
11175       \fi
11176       \xdef\split@prev{\the\insertpenalties}%
11177     \fi
11178   }%
11179 }
11180
11181
11182
11183
11184 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11185   \protected@xdef\@thefnmark{\thempfn}%
11186   \@footnotemark\@RTLfootnotetext}}
11187 \def\@xRTLfootnote[#1]{%
11188   \begingroup
11189     \csname c@\@mpfn\endcsname #1\relax
11190     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11191   \endgroup
11192   \@footnotemark\@RTLfootnotetext}
11193 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11194   \protected@xdef\@thefnmark{\thempfn}%
11195   \@footnotemark\@LTRfootnotetext}}
11196 \def\@xLTRfootnote[#1]{%
11197   \begingroup
11198     \csname c@\@mpfn\endcsname #1\relax
11199     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11200   \endgroup
11201   \@footnotemark\@LTRfootnotetext}
11202
11203

```



```

11204 \def\setfootnoteRL{\@RTL@footnotetrue}
11205 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11206 \def\setfootnoteLR{\unsetfootnoteRL}
11207
11208 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11209 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11210 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11211
11212 \long\def\@footnotetext#1{\insert\footins{%
11213   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11214   \reset@font%
11215   \bidi@footnotetext@font% \reset@font\footnotesize
11216   \interlinepenalty\interfootnotelinepenalty
11217   \splittopskip\footnotesep
11218   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
11219   \hsize\columnwidth \@parboxrestore
11220   \protected@edef\@currentlabel{%
11221     \csname p@footnote\endcsname\@thefnmark
11222   }%
11223   \color@begingroup
11224     \makefntext{%
11225       \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}%
11226     \color@endgroup}}}%
11227
11228
11229 \long\def\@RTLfootnotetext#1{\insert\footins{%
11230   \@RTLtrue%
11231   \reset@font%
11232   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11233   \interlinepenalty\interfootnotelinepenalty
11234   \splittopskip\footnotesep
11235   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
11236   \hsize\columnwidth \@parboxrestore
11237   \protected@edef\@currentlabel{%
11238     \csname p@footnote\endcsname\@thefnmark
11239   }%
11240   \color@begingroup
11241     \makefntext{%
11242       \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}%
11243     \color@endgroup}}}%
11244
11245 \long\def\@LTRfootnotetext#1{\insert\footins{%
11246   \@RTLfalse%
11247   \reset@font%
11248   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11249   \interlinepenalty\interfootnotelinepenalty
11250   \splittopskip\footnotesep
11251   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
11252   \hsize\columnwidth \@parboxrestore
11253   \protected@edef\@currentlabel{%
11254     \csname p@footnote\endcsname\@thefnmark
11255   }%
11256   \color@begingroup
11257     \makefntext{%
11258       \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}%
11259     \color@endgroup}}}%
11260

```



```

11261 \AtBeginDocument{%
11262 \if@RTL@footnote
11263 \newcommand*{\bidi@footdir@footnote}{R}
11264 \else
11265 \newcommand*{\bidi@footdir@footnote}{L}
11266 \fi%
11267 }
11268
11269 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11270 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11271 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11272
11273 \long\def\@mpRTLfootnotetext#1{%
11274 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule\fi%
11275 \global\setbox\@mpfootins\vbox{\@RTLtrue%
11276 \unvbox\@mpfootins
11277 \reset@font%
11278 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11279 \hsize\columnwidth
11280 \@parboxrestore
11281 \protected@edef\@currentlabel
11282 {\csname p@mpfootnote\endcsname\@thefnmark}%
11283 \color@begingroup
11284 \@makefntext{%
11285 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11286 \color@endgroup}}
11287 \long\def\@mpLTRfootnotetext#1{%
11288 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule\fi%
11289 \global\setbox\@mpfootins\vbox{\@RTLfalse%
11290 \unvbox\@mpfootins
11291 \reset@font%
11292 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11293 \hsize\columnwidth
11294 \@parboxrestore
11295 \protected@edef\@currentlabel
11296 {\csname p@mpfootnote\endcsname\@thefnmark}%
11297 \color@begingroup
11298 \@makefntext{%
11299 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11300 \color@endgroup}}
11301 \long\def\@mpfootnotetext#1{%
11302 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@
11303 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11304 \unvbox\@mpfootins
11305 \reset@font%
11306 \bidi@footnotetext@font% \reset@font\footnotesize
11307 \hsize\columnwidth
11308 \@parboxrestore
11309 \protected@edef\@currentlabel
11310 {\csname p@mpfootnote\endcsname\@thefnmark}%
11311 \color@begingroup
11312 \@makefntext{%
11313 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11314 \color@endgroup}}
11315 \def\@iiiminipage#1#2[#3]#4{%
11316 \leavevmode
11317 \@pboxswfalse

```



```

11318 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11319 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi\fi
11320 \setlength\@tempdima{#4}%
11321 \def\@mpargs{#{1}-{#2}[#{3}{#4}]}%
11322 \setbox\@tempboxa\vbox\bgroup
11323 \color@begingroup
11324 \hsize\@tempdima
11325 \textwidth\hsize \columnwidth\hsize
11326 \@parboxrestore
11327 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11328 \let\@footnotetext\@mpfootnotetext
11329 \let\@LTRfootnotetext\@mpLTRfootnotetext
11330 \let\@RTLfootnotetext\@mpRTLfootnotetext
11331 \let\@listdepth\@mplistdepth \@mplistdepth\z@
11332 \@minipagerestore
11333 \@setminipage}
11334 \def\endminipage{%
11335 \par
11336 \unskip
11337 \ifvoid\@mpfootins\else
11338 \vskip\skip\@mpfootins
11339 \normalcolor
11340 \bidi@mpfootnoterule
11341 \unvbox\@mpfootins
11342 \fi
11343 \@minipagefalse %% added 24 May 89
11344 \color@endgroup
11345 \egroup
11346 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11347 \def\LTRthanks#1{\footnotemark
11348 \protected@xdef\@thanks{\@thanks
11349 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11350 }
11351 \def\LTRfootnotetext{%
11352 \@ifnextchar [\@xLTRfootnotenext
11353 {\protected@xdef\@thefnmark{\thempfn}%
11354 \@LTRfootnotetext}}
11355 \def\@xLTRfootnotenext[#1]{%
11356 \begingroup
11357 \csname c@\@mpfn\endcsname #1\relax
11358 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11359 \endgroup
11360 \@LTRfootnotetext}
11361 \def\RTLthanks#1{\footnotemark
11362 \protected@xdef\@thanks{\@thanks
11363 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11364 }
11365 \let\@thanks\@empty
11366 \def\RTLfootnotetext{%
11367 \@ifnextchar [\@xRTLfootnotenext
11368 {\protected@xdef\@thefnmark{\thempfn}%
11369 \@RTLfootnotetext}}
11370 \def\@xRTLfootnotenext[#1]{%
11371 \begingroup
11372 \csname c@\@mpfn\endcsname #1\relax
11373 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11374 \endgroup

```



```

11375 \RTLfootnotetext}
11376 \leftfootnoterule

```

65 File framed-xetex-bidi.def

```

11377 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeTeX engi
11378 \renewcommand\TitleBarFrame[3][\beginngroup
11379 \ifx\delimiter#1\delimiter
11380 \let\TF@conlab\@empty
11381 \else
11382 \def\TF@conlab{% continuation label
11383 \nointerlineskip
11384 \smash{\rlap{\kern\wd\@tempboxa\kern\fb@boxrule\kern\fb@boxsep #1}}}%
11385 \fi
11386 %\let\TF@savecolor\current@color
11387 \textcolor{TF@FrameColor}{%
11388 \CustomFBox
11389 {\TF@Title{#2}}{\TF@conlab}%
11390 \fb@boxrule\fb@boxrule\fb@boxrule\fb@boxrule
11391 %{\let\current@color\TF@savecolor\set@color #3}%
11392 {\normalcolor #3}%
11393 }\endgroup
11394 }
11395 \renewenvironment{titled-frame}[1]{%
11396 \def\FrameCommand{\fb@boxsep8pt\fb@boxrule2pt
11397 \TitleBarFrame{\textbf{#1}}}%
11398 \def\FirstFrameCommand{\fb@boxsep8pt\fb@boxrule2pt
11399 \TitleBarFrame{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}{\textbf{#1}}}%
11400 \def\MidFrameCommand{\fb@boxsep8pt\fb@boxrule2pt
11401 \TitleBarFrame{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}{\textbf{#1} (cont)}}}%
11402 \def\LastFrameCommand{\fb@boxsep8pt\fb@boxrule2pt
11403 \TitleBarFrame{\textbf{#1} (cont)}}}%
11404 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11405 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11406 % could interfere with the width measurement.
11407 {\endMakeFramed}
11408 \chardef\FrameRestore=\catcode`\| % for debug
11409 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11410 \def\fb@put@frame#1#2{\relax
11411 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11412 | \message{===== Entering putframe =====^^J
11413 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
11414 \ifinner
11415 \fb@putboxa#1%
11416 \fb@afterframe
11417 \else
11418 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11419 \ifdim\dimen@<2\baselineskip % Too little room on page
11420 | \message{Page has only \the\dimen@\space room left; eject.}%
11421 \eject \fb@adjheight \fb@put@frame#1#2%
11422 \else % there's appreciable room left on the page
11423 \fb@sizeofframe#1%
11424 | \message{\string\pagetotal=\the\pagetotal,
11425 | \string\pagegoal=\the\pagegoal,
11426 | \string\pagestretch=\the\pagestretch,
11427 | \string\pageshrink=\the\pageshrink,
11428 | \string\fb@frh=\the\fb@frh. \space}

```




```

11429 | \message{^^JBox of size \the\ht\@tempboxa\space}%
11430 \begingroup % temporarily set \dimen@ to be...
11431 \advance\dimen@.8\pageshrink % maximum space available on page
11432 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11433 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11434 \expandafter\endgroup
11435 % expand \ifdim, then restore \dimen@ to real room left on page
11436 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11437 | \message{fits in \the\dimen@.}%
11438 % ToDo: Change this to use vsplit anyway to capture the marks
11439 % MERGE THIS WITH THE else CLAUSE!!!
11440 \fb@putboxa#1%
11441 \fb@afterframe
11442 \else % box must be split
11443 | \message{must be split to fit in \the\dimen@.}%
11444 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11445 \fb@sizeofframe#2%
11446 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11447 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11448 \kern137sp\kern-137sp\penalty-30
11449 \unvbox\@tempboxa}%
11450 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11451 \splittopskip\the\splittopskip}%
11452 \boxmaxdepth\z@ \splittopskip\z@
11453 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11454 % Split box here
11455 \setbox\@tw@vsplit\@tempboxa to\dimen@
11456 | \toks99\expandafter{\splitfirstmark}%
11457 | \toks98\expandafter{\splitbotmark}%
11458 | \message{Marks are: \the\toks99, \the\toks98.}%
11459 \setbox\@tw@vbox{\unvbox\@tw@}% natural-sized
11460 | \message{Natural height of split box is \the\ht\@tw@, leaving
11461 | \the\ht\@tempboxa\space remainder.}%
11462 % If the split-to size > (\vsize-\topskip), then set box to full size.
11463 \begingroup
11464 \advance\dimen@\topskip
11465 \expandafter\endgroup
11466 \ifdim\dimen@>\pagegoal
11467 | \message{Frame is big -- Use up the full column.}%
11468 \dimen@ii\pagegoal
11469 \advance\dimen@ii-\topskip
11470 \advance\dimen@ii\FrameHeightAdjust\relax
11471 \else % suspect this is implemented incorrectly:
11472 % If the split-to size > feasible room_on_page, rebox it smaller.
11473 \advance\dimen@.8\pageshrink
11474 \ifdim\ht\@tw@>\dimen@
11475 | \message{Box too tall; rebox it to \the\dimen@.}%
11476 \dimen@ii\dimen@
11477 \else % use natural size
11478 \dimen@ii\ht\@tw@
11479 \fi
11480 \fi
11481 % Re-box contents to desired size \dimen@ii
11482 \advance\dimen@ii-\fb@frh
11483 \setbox\@tw@vbox to\dimen@ii \bgroup
11484 % remove simulated frame and page flexibility:
11485 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink

```



```

11486 \unvbox\tw@ \unpenalty\unpenalty
11487 \ifdim\lastkern=-137sp % whole box went to next page
11488 | \message{box split at beginning! }%
11489 % need work here???
11490 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11491 \fb@adjheight
11492 \fb@put@frame#1#2% INSERTED ???
11493 \else % Got material split off at the head
11494 \egroup \fb@resto@set
11495 \ifvoid\@tempboxa % it all fit after all
11496 | \message{box split at end! }%
11497 \setbox\@tempboxa\box\tw@
11498 \fb@putboxa#1%
11499 \fb@afterframe
11500 \else % it really did split
11501 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11502 \ifdim\wd\tw@>\z@
11503 \wd\tw@\wd\@tempboxa
11504 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11505 \else
11506 | \message{Zero width means likely blank. Don't frame it (guess)}%
11507 \box\tw@
11508 \fi
11509 \hrule \@height\z@ \@width\hsize
11510 \eject
11511 \fb@adjheight
11512 \fb@put@frame\LastFrameCommand\MidFrameCommand
11513 \fi\fi\fi\fi\fi
11514 }
11515 \def\fb@putboxa#1{%
11516 \ifvoid\@tempboxa
11517 \PackageWarning{framed}{Boxa is void -- discard it. }%
11518 \else
11519 | \message{Frame and place boxa. }%
11520 | %{\showoutput\showbox\@tempboxa}%
11521 \centerline{#1{\hboxL{\box\@tempboxa}}}%
11522 \fi
11523 }
11524 \catcode`\|=\FrameRestore
11525 \def\FrameRestore{%
11526 \let\if@nbreak\iffalse
11527 \let\if@noskipsec\iffalse
11528 \let\-\@dischyp
11529 \let'\@acci\let`\@accii\let\=\@acciii
11530 % \message{FrameRestore:
11531 % \totalleftmargin=\the\@totalleftmargin,
11532 % \rightmargin=\the\rightmargin,
11533 % \listdepth=\the\@listdepth. }%
11534 % Test if we are in a list (or list-like paragraph)
11535 \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11536 \ifdim\rightmargin>\z@ 1\fi
11537 \ifnum\@listdepth>\z@ 1\fi 0>\z@
11538 % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11539 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11540 % \labelwidth=\the\labelwidth. }%
11541 \@setminipage % snug fit around the item
11542 % Now try to propageate changes of width from \hsize to list parameters.

```



```

11543      % This is deficient, but a more advanced way to indicate modification to text
11544      % dimensions is not (yet) provided; in particular, no separate left/right
11545      % adjustment.
11546      \advance\linewidth-\columnwidth \advance\linewidth\hsize
11547      \parshape\@ne \@totalleftmargin \linewidth
11548      \else % Not in list
11549        \linewidth=\hsize
11550        %\message{No list, set \string\linewidth=\the\hsize. }%
11551      \fi
11552      \sloppy
11553 }

```

66 File ftnright-xetex-bidi.def

```

11554 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package for XeTeX]
11555
11556 \def\prepare@bidi@copyins{%
11557   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
11558   \global\skip\@bidi@copyins@\z@
11559   \global\count\@bidi@copyins@\z@
11560   \global\dimen\@bidi@copyins@\textheight}
11561
11562 \newskip\bidi@rcol@copyinsskip
11563
11564 \def\LTR@outputdblcol{%
11565   \if@firstcolumn
11566     \global\@firstcolumnfalse
11567     \global\setbox\@leftcolumn\copy\@outputbox
11568     \global\count\footins\@m
11569     \global\skip\footins\rcol@footinsskip
11570     \global\count\@bidi@copyins@\@m
11571     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
11572     \splitmaxdepth\maxdimen
11573     \vbadness\maxdimen
11574     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11575     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11576     \toks@\expandafter{\topmark}%
11577     \xdef\@firstcoltopmark{\the\toks@}%
11578     \toks@\expandafter{\splitfirstmark}%
11579     \xdef\@firstcolfirstmark{\the\toks@}%
11580     \ifx\@firstcolfirstmark\@empty
11581       \global\let\@setmarks\relax
11582     \else
11583       \gdef\@setmarks{%
11584         \let\firstmark\@firstcolfirstmark
11585         \let\topmark\@firstcoltopmark}%
11586     \fi
11587   \else
11588     \preparefootins
11589     \prepare@bidi@copyins
11590     \global\@firstcolumntrue
11591     \setbox\@outputbox\vbox{%
11592       \hb@xt@\textwidth{%
11593         \hb@xt@\columnwidth{%
11594           \bidi@firstcolumn@status@write%
11595           \box\@leftcolumn \hss}%
11596       \hfil

```



```

11597         {\normalcolor\vrule \@width\columnseprule}%
11598         \hfil
11599         \hb@xt@\columnwidth{%
11600         \bidi@lastcolumn@status@write%
11601         \box\@outputbox \hss}}}%
11602 \@combinedblfloats
11603 \setmarks
11604 \outputpage
11605 \beginngroup
11606 \dblfloatplacement
11607 \startdblcolumn
11608 \whiles\if@fcolmade \fi{\@outputpage
11609 \startdblcolumn}%
11610 \endgroup
11611 \fi}%
11612
11613 \def\RTL@outputdblcol{%
11614 \if@firstcolumn
11615 \global\@firstcolumnfalse
11616 \global\setbox\@leftcolumn\copy\@outputbox
11617 \global\count\footins\@m
11618 \global\skip\footins\rcol@footinsskip
11619 \global\count\@bidi@copyins\@m
11620 \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
11621 \splitmaxdepth\maxdimen
11622 \vbadness\maxdimen
11623 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11624 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11625 \toks@{\expandafter{\topmark}}%
11626 \xdef\@firstcoltopmark{\the\toks@}%
11627 \toks@\expandafter{\splitfirstmark}%
11628 \xdef\@firstcolfirstmark{\the\toks@}%
11629 \ifx\@firstcolfirstmark\@empty
11630 \global\let\@setmarks\relax
11631 \else
11632 \gdef\@setmarks{%
11633 \let\firstmark\@firstcolfirstmark
11634 \let\topmark\@firstcoltopmark}%
11635 \fi
11636 \else
11637 \preparefootins
11638 \prepare@bidi@copyins
11639 \global\@firstcolumntrue
11640 \setbox\@outputbox\vbox{%
11641 \hb@xt@\textwidth{%
11642 \hskip \columnwidth
11643 \hfil
11644 {\normalcolor\vrule \@width\columnseprule}%
11645 \hfil
11646 \hb@xt@\columnwidth{%
11647 \bidi@firstcolumn@status@write%
11648 \box\@leftcolumn \hss}%
11649 \hskip -\textwidth
11650 \hb@xt@\columnwidth{%
11651 \bidi@lastcolumn@status@write%
11652 \box\@outputbox \hss}%
11653 \hskip \columnsep

```



```

11654      \hskip \columnwidth }}%
11655 \combinedblfloats
11656 \setmarks
11657 \outputpage
11658 \beginngroup
11659 \dblfloatplacement
11660 \startdblcolumn
11661 \whiles\if@fcolmade \fi{\@outputpage
11662 \startdblcolumn}%
11663 \endgroup
11664 \fi}%
11665
11666 \def\@startcolumn{%
11667 \ifx\@deferlist\@empty
11668 \global\@fcolmadefalse
11669 \global\@colroom\@colht
11670 \else
11671 \ifvoid\footins\else
11672 \ftn@amount\ht\footins
11673 \advance\ftn@amount\dp\footins
11674 \advance\ftn@amount\skip\footins
11675 \fi
11676 \ifvoid\@bidi@copyins\else
11677 \bidi@copyins@amount\ht\@bidi@copyins@
11678 \advance\bidi@copyins@amount\dp\@bidi@copyins@
11679 \advance\bidi@copyins@amount\skip\@bidi@copyins@
11680 \fi
11681 \global\advance\@colht-\ftn@amount
11682 \global\advance\@colht-\bidi@copyins@amount
11683 \global\@colroom\@colht
11684 \xstartcol
11685 \global\advance\@colht\ftn@amount
11686 \global\advance\@colroom\ftn@amount
11687 \global\advance\@colht\bidi@copyins@amount
11688 \global\advance\@colroom\bidi@copyins@amount
11689 \fi
11690 \if@fcolmade
11691 \setbox\@cclv\box\@outputbox
11692 \makecol
11693 \else
11694 \ifvoid\footins\else
11695 \insert\footins{\unvbox\footins}\fi
11696 \ifvoid\@bidi@copyins\else
11697 \insert\@bidi@copyins{\unvbox\@bidi@copyins}\fi
11698 \fi}
11699
11700 \newdimen\bidi@copyins@amount
11701
11702 \def\@makecol{\if@firstcolumn
11703 \setbox\@outputbox\box\@cclv
11704 \if@twocolumn \else
11705 \ifvoid\footins \else
11706 \latexerr{ftnright package
11707         used in one-column mode}%
11708 {The ftnright package was designed to
11709 work with LaTeX's standard^^Jtwocolumn
11710 option. It does *not* work with the

```



```

11711 multicol package.^^JSo please specify
11712 `twocolumn' in the
11713 \noexpand\documentclass command.}%
11714 \shipout\box\footins \fi
11715 \ifvoid\@bidi@copyins@ \else
11716 \latexerr{ftnright package
11717 used in one-column mode}%
11718 {The ftnright package was designed to
11719 work with LaTeX's standard^^Jtwocolumn
11720 option. It does *not* work with the
11721 multicol package.^^JSo please specify
11722 `twocolumn' in the
11723 \noexpand\documentclass command.}%
11724 \shipout\box\@bidi@copyins@ \fi\fi
11725 \ifnum\insertpenalties>\z@
11726 \latexerr{ftnright package
11727 scrambled footnotes}%
11728 {There is too much footnote material in
11729 the first column and ftnright^^Jis
11730 unable to cope with this.^^JYou need
11731 to reduce the amount to get a properly
11732 formatted page.}%
11733 \fi
11734 \else
11735 \ifvoid\footins
11736 \ifvoid\@bidi@copyins@
11737 \setbox\@outputbox\box\@cclv
11738 \else
11739 \setbox\@outputbox\vbox
11740 {\ifvoid\@cclv \else
11741 \unvbox\@cclv
11742 \vskip \skip\@bidi@copyins@
11743 \fi
11744 \color@begingroup
11745 \normalcolor
11746 \unvbox \@bidi@copyins@
11747 \color@endgroup}%
11748 \fi
11749 \else
11750 \setbox\@outputbox\vbox
11751 {\ifvoid\@cclv \else
11752 \unvbox\@cclv
11753 \vskip\skip\footins\fi
11754 \color@begingroup
11755 \normalcolor
11756 \footnoterule\unvbox\footins
11757 \color@endgroup
11758 \ifvoid\@bidi@copyins@
11759 \else
11760 \vskip \skip\@bidi@copyins@
11761 \color@begingroup
11762 \normalcolor
11763 \unvbox \@bidi@copyins@
11764 \color@endgroup
11765 \fi
11766 }%
11767 \fi

```



```

11768 \fi
11769 \xdef\@freelist{\@freelist\@midlist}%
11770 \global \let \@midlist \@empty
11771 \@combinefloats
11772 \ifvbox\@kludgeins
11773 \@makespecialcolbox
11774 \else
11775 \setbox\@outputbox\vbox to\@colht
11776 {\boxmaxdepth\maxdepth
11777 \@texttop
11778 \@tempdima\dp\@outputbox
11779 \unvbox\@outputbox
11780 \vskip-\@tempdima
11781 \@textbottom}%
11782 \fi
11783 \global\maxdepth\@maxdepth}
11784
11785 \let\leftfootnoterule\@empty
11786 \let\rightfootnoterule\@empty
11787 \let\textwidthfootnoterule\@empty
11788 \let\autofootnoterule\@empty
11789 \let\footnoterule\@empty
11790 \long\def\@makefntext#1{\parindent 1em
11791 \noindent\hbox to 2em{}}%
11792 \llap{\@thefnmark\hbox{.}\,\,\,}\#1}
11793
11794 \setlength{\skip\@bidi@copyins@}
11795 {10pt plus 5pt minus 3pt}
11796 \AtBeginDocument{\prepare@bidi@copyins}

```

67 File graphicx-xetex-bidi.def

```

11797 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package for XeTeX]
11798 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11799 \Grot@setangle{#1}%
11800 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi\fi%
11801 \Grot@x\z@
11802 \Grot@y\z@
11803 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11804 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11805 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi%
11806 \Grot@x\width \divide\Grot@x\tw@
11807 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11808 \setkeys{Grot}{#1}%
11809 \setbox\z@\box\@tempboxa
11810 \Grot@setangle{#2}%
11811 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11812 \@end@tempboxa}
11813 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11814 \leavevmode
11815 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11816 \setbox\z@\hbox{#3}%
11817 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11818 \ifdim#2\p<\z@
11819 \ht\tw@-#2\dp\z@
11820 \dp\tw@-#2\ht\z@
11821 \else

```



```

11822 \ht\tw@#2\ht\z@
11823 \dp\tw@#2\dp\z@
11824 \fi
11825 \ifdim#1\p@<\z@
11826 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@box\tw@hss}%
11827 \else
11828 \wd\tw@#1\wd\z@
11829 \box\tw@
11830 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11831 \def\Gin@iii[#1,#2][#3,#4]#5{%
11832 \begingroup
11833 \ifmmode\else\if@RTL\beginL\fi\fi
11834 \Gin@bboxtrue
11835 \Gin@defaultbp\Gin@llx{#1}%
11836 \Gin@defaultbp\Gin@lly{#2}%
11837 \Gin@defaultbp\Gin@urx{#3}%
11838 \Gin@defaultbp\Gin@ury{#4}%
11839 \Gin@include@graphics{#5}%
11840 \ifmmode\else\if@RTL\endL\fi\fi
11841 \endgroup}
11842 \def\Gin@ii[#1]#2{%
11843 \def\@tempa{[]}\def\@tempb{#2}%
11844 \ifx\@tempa\@tempb
11845 \def\@tempa{\Gin@iii[#1][]}%
11846 \expandafter\@tempa
11847 \else
11848 \begingroup
11849 \ifmmode\else\if@RTL\beginL\fi\fi
11850 \@tempswafalse
11851 \toks@{\Gin@include@graphics{#2}}%
11852 \setkeys{Gin}{#1}%
11853 \Gin@esetsize
11854 \the\toks@
11855 \ifmmode\else\if@RTL\endL\fi\fi
11856 \endgroup
11857 \fi}
11858 \def\reflectbox{\bidiGscale@box-1[1]}
11859 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11860 \leavevmode
11861 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11862 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi\fi}
11863 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11864 \ifdim#2\p@<\z@
11865 \ht\tw@-#2\dp\z@
11866 \dp\tw@-#2\ht\z@
11867 \else
11868 \ht\tw@#2\ht\z@
11869 \dp\tw@#2\dp\z@
11870 \fi
11871 \ifdim#1\p@<\z@
11872 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@box\tw@hss}%
11873 \else
11874 \wd\tw@#1\wd\z@
11875 \box\tw@
11876 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11877 \def\scalebox#1{%
11878 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}

```




```

11879 \def\resizebox{%
11880   \leavevmode
11881   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11882 \def\bidiGscale@@box#1#2#3{%
11883   \let\@tempa\Gin@exclamation
11884   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11885   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11886   \ifx\@tempb\@tempa
11887     \ifx\@tempc\@tempa
11888       \toks@{\mbox}%
11889     \else
11890       \toks@{\bidiGscale@box@dd{#3}#1}%
11891     \fi
11892   \else
11893     \ifx\@tempc\@tempa
11894       \toks@{\bidiGscale@box@dd{#2}\width}%
11895     \else
11896       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11897     \fi
11898   \fi
11899   \the\toks@}
11900 \long\def\bidiGscale@box@dd#1#2#3{%
11901   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11902   \setlength\@tempdima{#1}%
11903   \setlength\@tempdimb{#2}%
11904   \Gscale@div\@tempa\@tempdima\@tempdimb
11905   \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11906   \@end@tempboxa}
11907 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
11908   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11909   \setlength\@tempdima{#1}%
11910   \setlength\@tempdimb{#2}%
11911   \Gscale@div\@tempa\@tempdima\@tempdimb
11912   \setlength\@tempdima{#3}%
11913   \setlength\@tempdimb{#4}%
11914   \Gscale@div\@tempb\@tempdima\@tempdimb
11915   \ifGin@iso
11916     \ifdim\@tempa\p>\@tempb\p@
11917       \let\@tempa\@tempb
11918     \else
11919       \let\@tempb\@tempa
11920     \fi
11921   \fi
11922   \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11923   \@end@tempboxa}

```

68 File geometry-xetex-bidi.def

```

11924 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package for XeTeX]
11925 \renewcommand*{\Gm@vrules@mpi}{%
11926   \if@RTLmain%
11927     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11928       \llap{\Gm@vrule}\ignorespaces
11929       \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11930       \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11931     \else%
11932     \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces

```



```

11933 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11934 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11935 \renewcommand*{\Gm@vrules@mpii}{%
11936 \if@RTLmain%
11937 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11938 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11939 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11940 \else%
11941 \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11942 \llap{\Gm@vrule}\ignorespaces
11943 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11944 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11945 \bidi@patchcmd{\Gm@pageframes}{%
11946 \ifodd\count\z@
11947 \let\@themargin\oddsidemargin
11948 \else
11949 \let\@themargin\evensidemargin
11950 \fi
11951 }-{%
11952 \ifodd\count\z@
11953 \if@RTLmain
11954 \let\@themargin\evensidemargin
11955 \else
11956 \let\@themargin\oddsidemargin
11957 \fi
11958 \else
11959 \if@RTLmain
11960 \let\@themargin\oddsidemargin
11961 \else
11962 \let\@themargin\evensidemargin
11963 \fi
11964 \fi
11965 }-{}-}

```

69 File hvfloat-xetex-bidi.def

```

11966 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for XeTeX en
11967 \def\do@hvFloat[#1]#2#3{%
11968 \def\hv@shortCap{#1}
11969 \def\hv@longCap{#2}
11970 \def\hv@label{#3}
11971 %\newcommand*{\hvFloat}[5][]{%
11972 % [#1]: keyvalues
11973 % #2: type figure | table | ...
11974 % #3: float contents
11975 % [#4]: short caption
11976 % #5: caption
11977 % #6: label
11978 % \setDefaults%
11979 % \def\@tempa{#1}%
11980 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11981 \def\@tempa{90}%
11982 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11983 \else \setlength{\hvMaxCapWidth}{\linewidth}
11984 \fi
11985 %
11986 % First we save the object in \hvObjectBox

```



```

11987 %
11988 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11989 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11990 \else
11991 \savebox{\hvObjectBox}{%
11992 \rotatebox{\hvSet@objectAngle}{%
11993 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11994 \fi
11995 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11996 %
11997 % Now we save the caption with its defined \hvCapWidth
11998 %
11999 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
12000 \else
12001 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
12002 \else
12003 \setlength{\hvCapWidth}{\hvObjectWidth}
12004 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12005 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12006 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
12007 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
12008 \else
12009 \setlength{\hvCapWidth}{\hvMaxCapWidth}
12010 \fi
12011 \fi
12012 \fi
12013 %
12014 % now we have the object and the caption with the right
12015 % rotated angles saved in boxes
12016 %
12017 \def\fps@figure{\hvSet@floatPos}
12018 \ifhv@nonFloat\begin{group}% Start the nonfloat part
12019 \else \begin{\hv@floatType}% Start the floating environment
12020 \fi%
12021 \saveCaptionSkip% we put this space ourselves
12022 \ifx\hvSet@capAngle\hv@Width % need rotation?
12023 \sbox{\hvCaptionBox}{%
12024 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12025 \ifhv@nonFloat%
12026 \ifhv@onlyText#2%
12027 \else%
12028 \ifx\hv@floatType\hv@figure
12029 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
12030 \else
12031 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
12032 \fi
12033 \fi
12034 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
12035 \fi%
12036 \label{#3}%
12037 \end{minipage}%
12038 }%
12039 \else%
12040 \sbox{\hvCaptionBox}{%
12041 \rotatebox{\hvSet@capAngle}{%
12042 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12043 \ifhv@nonFloat%

```



```

12044 \ifhv@onlyText#2%
12045 \else%
12046 \ifx\hv@floatType\hv@figure
12047 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
12048 \else
12049 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
12050 \fi
12051 \fi
12052 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
12053 \fi%
12054 \label{#3}%
12055 \end{minipage}%
12056 }%
12057 }%
12058 \fi%
12059 %%
12060 \restoreCaptionSkip% save old values
12061 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
12062 \else%
12063 \ifx\hvSet@objectPos\hv@Center
12064 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
12065 \fi%
12066 \fi%
12067 %
12068 % to rotate object and caption together, we save all in another box
12069 % the caption comes first, if its on the left or the top
12070 %
12071 \savebox{\@tempboxa}{%
12072 \ifx\hvSet@capPos\hv@Left % caption on left side
12073 \ifRTL%
12074 \ifx\hvSet@capVPos\hv@Center%
12075 \ifhv@fbox
12076 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12077 \else
12078 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
12079 \fi%
12080 \hspace{\hvSet@floatCapSep pt}%
12081 \ifhv@fbox
12082 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12083 \else
12084 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12085 \fi%
12086 \else%
12087 \ifx\hvSet@capVPos\hv@Top
12088 \ifhv@fbox
12089 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12090 \else
12091 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12092 \fi%
12093 \hspace{\hvSet@floatCapSep pt}%
12094 \ifhv@fbox
12095 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12096 \else
12097 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12098 \fi
12099 \else
12100 \ifhv@fbox

```



```

12101 \fbox{\usebox{\hvObjectBox}}%
12102 \else
12103 \usebox{\hvObjectBox}%
12104 \fi
12105 \hspace{\hvSet@floatCapSep pt}%
12106 \ifhv@fbox
12107 \fbox{\usebox{\hvCaptionBox}}%
12108 \else
12109 \usebox{\hvCaptionBox}%
12110 \fi%
12111 \fi%
12112 \fi%
12113 \else% not RTL
12114 \ifx\hvSet@capVPos\hv@Center%
12115 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12116 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12117 \fi%
12118 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12119 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12120 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12121 \fi%
12122 \else%
12123 \ifx\hvSet@capVPos\hv@Top % caption at top
12124 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12125 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12126 \fi
12127 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12128 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12129 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12130 \fi%
12131 \else% caption on bottom
12132 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12133 \else\usebox{\hvCaptionBox}
12134 \fi%
12135 \hspace{\hvSet@floatCapSep pt}%
12136 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12137 \else \usebox{\hvObjectBox}
12138 \fi%
12139 \fi%
12140 \fi% end of RTL
12141 \fi%
12142 \else
12143 \ifx\hvSet@capPos\hv@Top
12144 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12145 \begin{minipage}{\wd\hvCaptionBox}
12146 \else
12147 \begin{minipage}{\wd\hvObjectBox}
12148 \fi
12149 \centering
12150 \ifhv@fbox
12151 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12152 \fbox{\usebox{\hvObjectBox}}
12153 \else
12154 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12155 \usebox{\hvObjectBox}
12156 \fi%
12157 \end{minipage}

```



```

12158 \else
12159 \ifx\hvSet@capPos\hv@Bottom
12160 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12161 \begin{minipage}{\wd\hvCaptionBox}
12162 \else
12163 \begin{minipage}{\wd\hvObjectBox}
12164 \fi
12165 \centering
12166 \ifhv@fbox
12167 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12168 \fbox{\usebox{\hvCaptionBox}}
12169 \else
12170 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12171 \usebox{\hvCaptionBox}
12172 \fi%
12173 \end{minipage}
12174 \else% the last option: put the caption on the right
12175 \if@RTL%
12176 \ifx\hvSet@capVPos\hv@Center%
12177 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12178 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12179 \fi%
12180 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12181 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12182 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12183 \fi%
12184 \else%
12185 \ifx\hvSet@capVPos\hv@Top % caption at top
12186 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12187 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12188 \fi
12189 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12190 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12191 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12192 \fi%
12193 \else% caption on bottom
12194 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12195 \else\usebox{\hvCaptionBox}
12196 \fi%
12197 \hspace{\hvSet@floatCapSep pt}%
12198 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12199 \else \usebox{\hvObjectBox}
12200 \fi%
12201 \fi%
12202 \fi%
12203 \else% not RTL
12204 \ifx\hvSet@capVPos\hv@Center%
12205 \ifhv@fbox
12206 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12207 \else
12208 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12209 \fi%
12210 \hspace{\hvSet@floatCapSep pt}%
12211 \ifhv@fbox
12212 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12213 \else
12214 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}

```



```

12215 \fi%
12216 \else%
12217 \ifx\hvSet@capVPos\hv@Top
12218 \ifhv@fbox
12219 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12220 \else
12221 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12222 \fi%
12223 \hspace{\hvSet@floatCapSep pt}%
12224 \ifhv@fbox
12225 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12226 \else
12227 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12228 \fi
12229 \else
12230 \ifhv@fbox
12231 \fbox{\usebox{\hvObjectBox}}%
12232 \else
12233 \usebox{\hvObjectBox}%
12234 \fi
12235 \hspace{\hvSet@floatCapSep pt}%
12236 \ifhv@fbox
12237 \fbox{\usebox{\hvCaptionBox}}%
12238 \else
12239 \usebox{\hvCaptionBox}%
12240 \fi%
12241 \fi%
12242 \fi
12243 \fi% end of RTL
12244 \fi
12245 \fi
12246 \fi
12247 }% End savebox Object and caption
12248 %
12249 % now we rotate the object and caption, if needed
12250 %
12251 \ifx\hvSet@rotAngle\hv@Zero
12252 \usebox{\@tempboxa}
12253 \else
12254 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12255 \fi
12256 \ifhv@nonFloat
12257 \ifx\hvSet@objectPos\hv@Center
12258 \ifhv@nonFloat
12259 \hspace{\fill}
12260 \fi
12261 \fi
12262 \endgroup% End the nonfloat part
12263 \else
12264 \end{\hv@floatType}% End the floating environment
12265 \fi
12266 }

```

70 File hyperref-xetex-bidi.def

```

12267 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package for XeTeX]
12268 \AtBeginDocument{%

```



```

12269 \def\contentsline#1#2#3#4{%
12270   \ifx\#4\%
12271     \csname l@#1\endcsname{#2}{#3}%
12272   \else
12273     \ifcase\Hy@linktoc % none
12274       \csname l@#1\endcsname{#2}{#3}%
12275     \or % section
12276       \csname l@#1\endcsname{%
12277         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12278       }{#3}%
12279     \or % page
12280       \csname l@#1\endcsname{#2}{#3}%
12281       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12282     }%
12283   \else % all
12284     \csname l@#1\endcsname{%
12285       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12286     }{%
12287       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12288     }%
12289   \fi
12290 \fi
12291 }
12292 \ifHy@hyperfootnotes
12293   \let\H@@footnotetext\@footnotetext
12294   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12295   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12296   \def\@xfootnotenext[#1]{%
12297     \begingroup
12298       \csname c@\@mpfn\endcsname #1\relax
12299       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12300     \endgroup
12301     \ifx\@footnotetext\@mpfootnotetext
12302       \expandafter\H@@mpfootnotetext
12303     \else
12304       \expandafter\H@@footnotetext
12305     \fi
12306   }%
12307   \def\@xRTLfootnotenext[#1]{%
12308     \begingroup
12309       \csname c@\@mpfn\endcsname #1\relax
12310       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12311     \endgroup
12312     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12313       \expandafter\HRTL@mpRTLfootnotetext
12314     \else
12315       \expandafter\HRTL@RTLfootnotetext
12316     \fi
12317   }%
12318   \def\@xLTRfootnotenext[#1]{%
12319     \begingroup
12320       \csname c@\@mpfn\endcsname #1\relax
12321       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12322     \endgroup
12323     \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12324       \expandafter\HLTR@mpLTRfootnotetext
12325     \else

```




```

12326     \expandafter\HLTR@LTRfootnotetext
12327     \fi
12328 }%
12329 \def\@xfootnotemark[#1]{%
12330 \begingroup
12331   \c@footnote #1\relax
12332   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12333 \endgroup
12334 \H@@@footnotemark
12335 }%
12336 \let\H@mpfootnotetext\@mpfootnotetext
12337 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
12338 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
12339 \long\def\@mpfootnotetext#1{%
12340 \H@mpfootnotetext{%
12341   \ifHy@nesting
12342     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12343   \else
12344     \Hy@raisedlink{%
12345       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12346     }#1%
12347   \fi
12348 }%
12349 }%
12350 \long\def\@mpRTLfootnotetext#1{%
12351 \HRTL@mpRTLfootnotetext{%
12352   \ifHy@nesting
12353     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12354   \else
12355     \Hy@raisedlink{%
12356       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12357     }#1%
12358   \fi
12359 }%
12360 }%
12361 \long\def\@mpLTRfootnotetext#1{%
12362 \HLTR@mpLTRfootnotetext{%
12363   \ifHy@nesting
12364     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12365   \else
12366     \Hy@raisedlink{%
12367       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12368     }#1%
12369   \fi
12370 }%
12371 }%
12372 \long\def\@footnotetext#1{%
12373 \H@@@footnotetext{%
12374   \ifHy@nesting
12375     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12376   \else
12377     \Hy@raisedlink{%
12378       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12379     }%
12380   \let\@currentHlabel\Hy@footnote@currentHlabel
12381   \let\@currentHref\Hy@footnote@currentHref
12382   \let\@currentlabelname\@empty

```



```

12383         #1%
12384     \fi
12385 }%
12386 }%
12387 \long\def\@RTLfootnotetext#1{%
12388 \HRTL@RTLfootnotetext{%
12389     \ifHy@nesting
12390     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12391 \else
12392     \Hy@raisedlink{%
12393         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12394     }%
12395     \let\@currentHlabel\Hy@footnote@currentHlabel
12396     \let\@currentHref\Hy@footnote@currentHref
12397     \let\@currentlabelname\@empty
12398     #1%
12399 \fi
12400 }%
12401 }%
12402 \long\def\@LTRfootnotetext#1{%
12403 \HLTR@LTRfootnotetext{%
12404     \ifHy@nesting
12405     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12406 \else
12407     \Hy@raisedlink{%
12408         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12409     }%
12410     \let\@currentHlabel\Hy@footnote@currentHlabel
12411     \let\@currentHref\Hy@footnote@currentHref
12412     \let\@currentlabelname\@empty
12413     #1%
12414 \fi
12415 }%
12416 }%
12417 \@ifpackageloaded{tabularx}{%
12418 \let\HyOrg@TX@endtabularx\TX@endtabularx
12419 \def\Hy@tabularx@hook{%
12420     \let\@footnotetext\H@footnotetext
12421     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12422     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12423     \let\@footnotemark\H@footnotemark
12424     \let\@mpfootnotetext\H@mpfootnotetext
12425     \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
12426     \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
12427 }%
12428 \begingroup
12429 \toks@{\expandafter{\TX@endtabularx}%
12430 \xdef\Hy@gtemp{%
12431     \noexpand\Hy@tabularx@hook
12432     \the\toks@
12433 }%
12434 \endgroup
12435 \let\TX@endtabularx\Hy@gtemp
12436 }{}%
12437 \@ifpackageloaded{longtable}{%
12438 \CheckCommand*{\LT@p@LTRftntext}[1]{%
12439     \edef\@tempa{%

```



```

12440     \the\LT@p@ftn
12441     \noexpand\LTRfootnotetext[\the\c@footnote]%
12442   }%
12443   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12444 }%
12445 \long\def\LT@p@LTRftntext#1{%
12446   \edef\@tempa{%
12447     \the\LT@p@ftn
12448     \begingroup
12449     \noexpand\c@footnote=\the\c@footnote\relax
12450     \noexpand\protected@xdef\noexpand\@thefnmark{%
12451       \noexpand\thempfn
12452     }%
12453     \noexpand\Hy@LT@LTRfootnotetext{%
12454       \Hy@footnote@currentHref
12455     }%
12456   }%
12457   \global\LT@p@ftn\expandafter{%
12458     \@tempa{#1}%
12459   \endgroup
12460 }%
12461 }%
12462 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12463   \HLTR@@LTRfootnotetext{%
12464     \ifHy@nesting
12465       \hyper@@anchor{#1}{#2}%
12466     \else
12467       \Hy@raisedlink{%
12468         \hyper@@anchor{#1}{\relax}%
12469       }%
12470       \def\@currentHref{#1}%
12471       \let\@currentlabelname\@empty
12472       #2%
12473     \fi
12474   }%
12475 }%
12476 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12477   \edef\@tempa{%
12478     \the\LT@p@ftn
12479     \noexpand\RTLfootnotetext[\the\c@footnote]%
12480   }%
12481   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12482 }%
12483 \long\def\LT@p@RTLftntext#1{%
12484   \edef\@tempa{%
12485     \the\LT@p@ftn
12486     \begingroup
12487     \noexpand\c@footnote=\the\c@footnote\relax
12488     \noexpand\protected@xdef\noexpand\@thefnmark{%
12489       \noexpand\thempfn
12490     }%
12491     \noexpand\Hy@LT@RTLfootnotetext{%
12492       \Hy@footnote@currentHref
12493     }%
12494   }%
12495   \global\LT@p@ftn\expandafter{%
12496     \@tempa{#1}%

```



```

12497         \endgroup
12498     }%
12499 }%
12500 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12501     \HRTL@RTLfootnotetext{%
12502         \ifHy@nesting
12503             \hyper@@anchor{#1}{#2}%
12504         \else
12505             \Hy@raisedlink{%
12506                 \hyper@@anchor{#1}{\relax}%
12507             }%
12508             \def\@currentHref{#1}%
12509             \let\@currentlabelname\@empty
12510             #2%
12511         \fi
12512     }%
12513 }%
12514 }{%}%
12515 \@ifpackageloaded{bidipoem}{%
12516     \long\def\bidipoem@p@ftntext#1{%
12517         \edef\@tempxi{%
12518             \the\bidipoem@p@ftn
12519             \beginingroup
12520                 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12521                 \noexpand\protected@xdef\noexpand\@thefnmark{%
12522                     \noexpand\thempfn
12523                 }%
12524                 \noexpand\Hy@bidipoem@footnotetext{%
12525                     \Hy@footnote@currentHref
12526                 }%
12527             }%
12528             \global\bidipoem@p@ftn\expandafter{%
12529                 \@tempxi{#1}%
12530             }%
12531         \endgroup
12532     }%
12533     \long\def\Hy@bidipoem@footnotetext#1#2{%
12534         \H@@footnotetext{%
12535             \ifHy@nesting
12536                 \hyper@@anchor{#1}{#2}%
12537             \else
12538                 \Hy@raisedlink{%
12539                     \hyper@@anchor{#1}{\relax}%
12540                 }%
12541                 \def\@currentHref{#1}%
12542                 \let\@currentlabelname\@empty
12543                 #2%
12544             \fi
12545         }%
12546     }%
12547     \long\def\bidipoem@p@LTRftntext#1{%
12548         \edef\@tempxi{%
12549             \the\bidipoem@p@ftn
12550             \beginingroup
12551                 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12552                 \noexpand\protected@xdef\noexpand\@thefnmark{%
12553                     \noexpand\thempfn

```



```

12554      }%
12555      \noexpand\Hy@bidipoem@LTRfootnotetext{%
12556      \Hy@footnote@currentHref
12557      }%
12558    }%
12559    \global\bidipoem@p@ftn\expandafter{%
12560      \@tempxi{#1}%
12561    \endgroup
12562  }%
12563 }%
12564 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12565   \HLTR@@@LTRfootnotetext{%
12566     \ifHy@nesting
12567       \hyper@@@anchor{#1}{#2}%
12568     \else
12569       \Hy@raisedlink{%
12570         \hyper@@@anchor{#1}{\relax}%
12571       }%
12572       \def\@currentHref{#1}%
12573       \let\@currentlabelname\@empty
12574       #2%
12575     \fi
12576   }%
12577 }%
12578 \long\def\bidipoem@p@RTLftntext#1{%
12579   \edef\@tempxiif{%
12580     \the\bidipoem@p@ftn
12581     \begingroup
12582       \noexpand\csname c@\@mpfn@endcsname=\the\csname c@\@mpfn@endcsname\relax
12583       \noexpand\protected@xdef\noexpand\@thefnmark{%
12584         \noexpand\thempfn
12585       }%
12586       \noexpand\Hy@bidipoem@RTLfootnotetext{%
12587         \Hy@footnote@currentHref
12588       }%
12589     }%
12590     \global\bidipoem@p@ftn\expandafter{%
12591       \@tempxiif{#1}%
12592     \endgroup
12593   }%
12594 }%
12595 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12596   \HRTL@@@RTLfootnotetext{%
12597     \ifHy@nesting
12598       \hyper@@@anchor{#1}{#2}%
12599     \else
12600       \Hy@raisedlink{%
12601         \hyper@@@anchor{#1}{\relax}%
12602       }%
12603       \def\@currentHref{#1}%
12604       \let\@currentlabelname\@empty
12605       #2%
12606     \fi
12607   }%
12608 }%
12609 }{}%
12610 \let\HyOrg@maketitle\maketitle

```



```

12611 \def\maketitle{%
12612   \let\Hy@saved@footnotemark\@footnotemark
12613   \let\Hy@saved@footnotetext\@footnotetext
12614   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12615   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12616   \let\@footnotemark\H@@footnotemark
12617   \let\@footnotetext\H@@footnotetext
12618   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12619   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12620   \@ifnextchar[\Hy@maketitle@optarg{% ]
12621     \HyOrg@maketitle
12622     \Hy@maketitle@end
12623   }%
12624 }%
12625 \def\Hy@maketitle@optarg[#1]{%
12626   \HyOrg@maketitle[#{#1}]%
12627   \Hy@maketitle@end
12628 }%
12629 \def\Hy@maketitle@end{%
12630   \ifx\@footnotemark\H@@footnotemark
12631     \let\@footnotemark\Hy@saved@footnotemark
12632   \fi
12633   \ifx\@footnotetext\H@@footnotetext
12634     \let\@footnotetext\Hy@saved@footnotetext
12635   \fi
12636   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12637     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12638   \fi
12639   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12640     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12641   \fi
12642 }%
12643 \def\realfootnote{%
12644   \@ifnextchar[\@xfootnote{%
12645     \stepcounter{\@mpfn}%
12646     \protected@xdef\@thefnmark{\thempfn}%
12647     \H@@footnotemark\H@@footnotetext
12648   }%
12649 }%
12650 \fi
12651 \def\Hy@BeginAnnot#1{%
12652   \ifmmode\else\beginL\fi%
12653   \global\advance\c@Hy@AnnotLevel\@ne
12654   \ifnum\c@Hy@AnnotLevel=\@ne
12655     #1%
12656   \fi
12657 }
12658 \def\Hy@endAnnot{%
12659   \ifnum\c@Hy@AnnotLevel=\@ne
12660     \Hy@endcolorlink
12661     \pdfmark{eann}%
12662   \fi
12663   \global\advance\c@Hy@AnnotLevel\m@ne
12664   \ifmmode\else\endL\fi%
12665 }
12666 \def\hyper@link#1#2#3{%
12667   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@

```



```

12668 }
12669 \def\hyper@linkfile#1#2#3{%
12670   \leavevmode
12671   \Hy@BeginAnnot{%
12672     \def\Hy@pstringF{#2}%
12673     \Hy@CleanupFile\Hy@pstringF
12674     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12675     \Hy@pstringdef\Hy@pstringD{#3}%
12676     \Hy@MakeRemoteAction
12677     \@pdfm@mark{%
12678       bann<<%
12679       /Type/Annot%
12680       /Subtype/Link%
12681       \ifHy@pdfa /F 4\fi
12682       \Hy@setpdfborder
12683       \ifx\@filebordercolor\relax
12684       \else
12685         /C[\@filebordercolor]%
12686       \fi
12687       /A<<%
12688       /S/GoToR%
12689       /F(\Hy@pstringF)%
12690       /D%
12691       \ifx\#3\%
12692         [\Hy@href@page\@pdfremotestartview]%
12693       \else
12694         (\Hy@pstringD)%
12695       \fi
12696       \Hy@SetNewWindow
12697       \Hy@href@nextactionraw
12698     >>%
12699   >>%
12700   }%
12701   \Hy@colorlink\@filecolor
12702   }%
12703   \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12704   \Hy@EndAnnot
12705 }
12706 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12707   \leavevmode
12708   \Hy@BeginAnnot{%
12709     \Hy@pstringdef\Hy@pstringF{#1}%
12710     \Hy@pstringdef\Hy@pstringP{#3}%
12711     \@pdfm@mark{%
12712       bann<<%
12713       /Type/Annot%
12714       /Subtype/Link%
12715       \ifHy@pdfa /F 4\fi
12716       \Hy@setpdfborder
12717       \ifx\@runbordercolor\relax
12718       \else
12719         /C[\@runbordercolor]%
12720       \fi
12721       /A<<%
12722       /F(\Hy@pstringF)%
12723       /S/Launch%
12724       \Hy@SetNewWindow

```



```

12725         \ifx\#3\%
12726         \else
12727             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12728         \fi
12729         \Hy@href@nextactionraw
12730     >>%
12731 >>%
12732 }%
12733 \Hy@colorlink\@runcolor
12734 }%
12735 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12736 \Hy@EndAnnot
12737 }
12738 \def\hyper@linkurl#1#2{%
12739     \leavevmode
12740     \Hy@BeginAnnot{%
12741         \Hy@pstringdef\Hy@pstringURI{#2}%
12742         \@pdfm@mark{%
12743             bann<<%
12744                 /Type/Annot%
12745                 /Subtype/Link%
12746                 \ifHy@pdfa /F 4\fi
12747                 \Hy@setpdfborder
12748                 \ifx\@urlbordercolor\relax
12749                 \else
12750                     /C[\@urlbordercolor]%
12751                 \fi
12752                 /A<<%
12753                     /S/URI%
12754                     /URI(\Hy@pstringURI)%
12755                     \ifHy@href@ismap
12756                         /IsMap true%
12757                     \fi
12758                     \Hy@href@nextactionraw
12759                 >>%
12760             >>%
12761             }%
12762             \Hy@colorlink\@urlcolor
12763         }%
12764         \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12765         \Hy@EndAnnot
12766     }
12767     \def\Acrobatmenu#1#2{%
12768         \Hy@Acrobatmenu{#1}{#2}{%
12769             \Hy@BeginAnnot{%
12770                 \EdefEscapeName\Hy@temp@menu{#1}%
12771                 \@pdfm@mark{%
12772                     bann<<%
12773                         /Type/Annot%
12774                         /Subtype/Link%
12775                         \ifHy@pdfa /F 4\fi
12776                         \Hy@setpdfborder
12777                         \ifx\@menubordercolor\relax
12778                         \else
12779                             /C[\@menubordercolor]%
12780                         \fi
12781                         /A<<%

```




```

12782         /S/Named%
12783         /N/\Hy@temp@menu
12784         \Hy@href@nextactionraw
12785         >>%
12786         >>%
12787     }%
12788     \Hy@colorlink\@menucolor
12789 }%
12790 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12791 \Hy@EndAnnot
12792 }%
12793 }
12794 \def\hyper@natlinkstart#1{%
12795     \Hy@backout{#1}%
12796     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12797     \def\hyper@nat@current{#1}%
12798 }
12799 \def\hyper@natlinkend{%
12800     \if@RTL\endR\fi\hyper@linkend
12801 }
12802 \def\hyper@natlinkbreak#1#2{%
12803     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12804 }%
12805 }
12806 \pdfstringdefDisableCommands{%
12807     \let\LRE\@firstofone
12808     \let\LR\@firstofone
12809     \let\RE\@firstofone
12810     \let\RL\@firstofone
12811     \def\XeTeX{Xe\TeX}%
12812     \def\XeLaTeX{Xe\LaTeX}%
12813 }
12814 \@ifpackageloaded{longtable}{%
12815     \begingroup
12816         \def\y{\LT@array}%
12817         \@ifundefined{scrLT@array}{%
12818             \@ifundefined{adlLT@array}{-}{\def\y{\adlLT@array}}%
12819         }{\def\y{\scrLT@array}}%
12820         \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12821             \expandafter\endgroup
12822             \expandafter\def\y[##1]##2{%
12823                 \H@refstepcounter{#1}%
12824                 \hyper@makecurrent{table}%
12825                 \let\Hy@LT@currentHref\@currentHref
12826                 #2\@sharp####4%
12827             }%
12828         }%
12829     \expandafter\expandafter\expandafter\x\y[##1][##2]\@nil
12830     \begingroup
12831     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12832         \endgroup
12833         \def\LT@start{%
12834             #1%
12835             \ifvoid\LT@foot#2\fi
12836             \let\@currentHref\Hy@LT@currentHref
12837             \Hy@raisedlink{%
12838                 \hyper@anchorstart{\@currentHref}\hyper@anchorend

```



```

12839      }%
12840      #3%
12841      }%
12842      }%
12843      \expandafter\x\LT@start\@nil
12844      }{}
12845      \bidi@patchcmd\@TextField{%
12846      \@pdfm@mark
12847      }{%
12848      \if@RTL
12849      \hskip\Fld@width
12850      \fi
12851      \@pdfm@mark
12852      }{}{}
12853      \bidi@patchcmd\@TextField{%
12854      \unhbox
12855      }{%
12856      \if@RTL
12857      \hskip-\Fld@width
12858      \fi
12859      \unhbox
12860      }{}{}
12861      \bidi@patchcmd\@@Radio{%
12862      \@pdfm@mark
12863      }{%
12864      \if@RTL
12865      \hskip\Fld@width
12866      \fi
12867      \@pdfm@mark
12868      }{}{}
12869      \bidi@patchcmd\@@Radio{%
12870      \unhcopy
12871      }{%
12872      \if@RTL
12873      \hskip-\Fld@width
12874      \fi
12875      \unhcopy
12876      }{}{}
12877      \bidi@patchcmd\@Submit{%
12878      \@pdfm@mark
12879      }{%
12880      \if@RTL
12881      \null
12882      \hskip\wd\pdfm@box
12883      \fi
12884      \@pdfm@mark
12885      }{}{}
12886      \bidi@patchcmd\@Submit{%
12887      \unhbox
12888      }{%
12889      \if@RTL
12890      \hskip-\wd\pdfm@box
12891      \fi
12892      \unhbox
12893      }{}{}
12894      \bidi@patchcmd\@Reset{%
12895      \@pdfm@mark

```



```

12896 }{%
12897   \if@RTL
12898     \null
12899     \hskip\wd\pdfm@box
12900   \fi
12901   \@pdfm@mark
12902 }{}{}
12903 \bidi@patchcmd\@Reset{%
12904   \unhbox
12905 }{%
12906   \if@RTL
12907     \hskip-\wd\pdfm@box
12908   \fi
12909   \unhbox
12910 }{}{}

```

71 File imspdoc-xetex-bidi.def

```

12911 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for XeTeX engi
12912 \newenvironment{thebibliography}[1]{%
12913   \@bibtitlestyle
12914   \normalfont\bibliofont\labelsep .5em\relax
12915   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12916   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12917   \bidi@@thebibliography@font@hook
12918   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12919     \leftmargin\labelwidth \advance\leftmargin\labelsep
12920     \usecounter{enumiv}}%
12921   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12922   \sfcode`\.=\@m
12923 }{%
12924   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12925   \endlist
12926 }
12927
12928 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12929   \columnseprule\z@ \columnsep 35\p@
12930   \@indextitlestyle
12931   \thispagestyle{plain}%
12932   \let\item\@idxitem
12933   \parindent\z@ \parskip\z@\@plus.3\p@\relax
12934   \if@RTL\raggedleft\else\raggedright\fi
12935   \hyphenpenalty\@M
12936   \footnotesize}
12937 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12938 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12939 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12940
12941 \def\rightrightarrows{\footnoterule}%
12942   \kern-.4\p@
12943   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12944   \kern11\p@\kern-\footnotesep}
12945 \def\leftfootnoterule{\kern-.4\p@
12946   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12947 \def\@makefnmark{%
12948   \leavevmode
12949   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%

```



```

12950 }
12951
12952 \def\part{\@startsection{part}{0}%
12953   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
12954   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12955 \def\@tocline#1#2#3#4#5#6#7{\relax
12956   \ifnum #1>\c@tocdepth % then omit
12957   \else
12958     \par \addpenalty\@secpenalty\addvspace{#2}%
12959     \begingroup \hyphenpenalty\@M
12960     \@ifempty{#4}{%
12961       \@tempdima\csname r@tocindent\number#1\endcsname\relax
12962     }{%
12963       \@tempdima#4\relax
12964     }%
12965     \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
12966     \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12967     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12968     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12969     \nobreak
12970   \endgroup
12971   \fi}
12972 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12973 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12974 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12975 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12976 \def\maketitle{\par
12977   \@topnum\z@ % this prevents figures from falling at the top of page 1
12978   \@setcopyright
12979   \thispagestyle{firstpage}% this sets first page specifications
12980   \uppercase\nonmath\shorttitle
12981   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12982   \else \andify\shortauthors
12983   \fi
12984   \@maketitle@hook
12985   \begingroup
12986   \@maketitle
12987   \toks@{\xp{\shortauthors}\@temptokena\@xp{\shorttitle}}%
12988   \toks4{\def\\{\ignorespaces}}% defend against questionable usage
12989   \edef\@tempa{%
12990     \@nx\markboth{\the\toks4
12991       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12992   \@tempa
12993   \endgroup
12994   \c@footnote\z@
12995   \@cleartopmattertags
12996 }

```

72 File leqno-xetex-bidi.def

```

12997 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX engine]
12998 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
12999   \rlap{\hskip -\displaywidth
13000   {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}}

```

73 File letter-xetex-bidi.def



```

13001 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class for XeT
13002 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
13003   \thispagestyle{firstpage}%
13004   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
13005   \else % home address
13006     \thispagestyle{empty}%
13007     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}\fi\ig
13008       \fromaddress \*[2\parskip]%
13009       \@date \end{tabular}\par}%
13010   \fi
13011   \vspace{2\parskip}%
13012   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
13013   \vspace{2\parskip}%
13014   #1\par\nobreak}
13015 \renewcommand\left@footnoterule{%
13016   \kern-\p@
13017   \hrule \@width .4\columnwidth
13018   \kern .6\p@}
13019 \renewcommand\right@footnoterule{%
13020   \kern-\p@
13021   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13022   \kern .6\p@}

```

74 File lettrine-xetex-bidi.def

```

13023 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package for XeTeX
13024 \def\@lettrine[#1]#2#3{%
13025   \def\l@initial{#2}\let\l@refstring\l@initial
13026   \setcounter{L@lines}{\value{DefaultLines}}%
13027   \setcounter{L@depth}{\value{DefaultDepth}}%
13028   \renewcommand*{\L@hang}{\DefaultLhang}%
13029   \renewcommand*{\L@oversize}{\DefaultLoversize}%
13030   \renewcommand*{\L@raise}{\DefaultLraise}%
13031   \renewcommand*{\L@ante}{}%
13032   \setlength{\L@Findent}{\DefaultFindent}%
13033   \setlength{\L@Nindent}{\DefaultNindent}%
13034   \setlength{\L@slope}{\DefaultSlope}%
13035   \setlength{\L@novskip}{\DiscardVskip}%
13036   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
13037   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
13038   \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
13039   \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
13040   \setkeys{L}{#1}%
13041   \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
13042   \ifL@realh
13043     \def\@tempa{#3}%
13044     \ifx\@tempa\@empty
13045       \PackageWarning{lettrine.sty}%
13046         {Empty second argument,\MessageBreak
13047         ignoring option `realheight';}%
13048     \else
13049       \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13050     \fi
13051   \fi
13052   \if\DefaultOptionsFile\relax
13053   \else
13054     \begingroup

```



```

13055 \InputIfFileExists{\DefaultOptionsFile}%
13056 {}%
13057 {\PackageWarning{lettrine.sty}%
13058 {File \DefaultOptionsFile\space not found}%
13059 }%
13060 \def\color##1##{\l@color{##1}}%
13061 \let\l@color\@gobbletwo
13062 \def\textcolor##1##{\l@textcolor{##1}}%
13063 \def\l@textcolor##1##2##3{##3}%
13064 \expandafter\ifx\csname l@#2-keys\endcsname\relax
13065 \gdef\l@LOKeys{}%
13066 \else
13067 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
13068 \fi
13069 \endgroup
13070 \def\KV@prefix{KV@L@}%
13071 \let\@tempc\relax
13072 \expandafter\KV@do\l@LOKeys,\relax,
13073 \setupL@lbox
13074 \setlength{\LettrineWidth}{\wd\L@lbox}%
13075 \def\KV@prefix{KV@L@}%
13076 \let\@tempc\relax
13077 \expandafter\KV@do\l@LOKeys,\relax,
13078 \setkeys{L}{#1}%
13079 \fi
13080 \setupL@lbox
13081 \setlength{\LettrineWidth}{\wd\L@lbox}%
13082 \setlength{\LettrineHeight}{\ht\L@lbox}%
13083 \setlength{\LettrineDepth}{\dp\L@lbox}%
13084 \begingroup
13085 \def\IeC##1{##1}%
13086 \@tempdima=\L@oversize pt\relax
13087 \PackageInfo{lettrine.sty}%
13088 {Targeted height = \the\L@target@ttht\MessageBreak
13089 (no accent, loversize=0),\MessageBreak
13090 Lettrine height = \the\LettrineHeight\space (#2)%
13091 \ifdim\@tempdima=z@\else\space loversize=\L@oversize\fi;%
13092 \MessageBreak reported}%
13093 \endgroup
13094 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13095 \setlength{\L@first}{\LettrineHeight}%
13096 \setlength{\L@lraise}{\L@raise\L@target@ttht}%
13097 \addtolength{\L@first}{\L@lraise}%
13098 \ifnum\value{L@lines}=1
13099 \addtolength{\L@first}{-\ht\L@tbox}%
13100 \else
13101 \addtolength{\L@first}{-\L@target@ttht}%
13102 \addtolength{\L@lraise}{-\L@target@dp}%
13103 \fi
13104 \par
13105 \ifdim\L@first>\L@novskip
13106 \ifL@grid
13107 \@tempdima=\baselineskip
13108 \@tempdimb=\@tempdima
13109 \advance\@tempdimb by \L@novskip
13110 \@tempcnta=1
13111 \loop\ifdim\L@first>\@tempdimb

```



```

13112      \advance\@tempcnta by 1
13113      \advance\L@first by -\@tempdima
13114      \repeat
13115      \L@first=\@tempcnta\baselineskip
13116      \fi
13117      \vskip\L@first
13118      \fi
13119      \setlength{\L@Pindent}{\wd\L@lbox}%
13120      \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
13121      \settowidth{\L@first}{\L@ante}%
13122      \addtolength{\L@Pindent}{\L@first}%
13123      \addtolength{\L@Pindent}{\L@Findent}%
13124      \setlength{\L@first}{\linewidth}%
13125      \addtolength{\L@first}{-\L@Pindent}%
13126      \addtolength{\L@Nindent}{\L@Pindent}%
13127      \setlength{\L@next}{\linewidth}%
13128      \addtolength{\L@next}{-\L@Nindent}%
13129      \addtolength{\L@Pindent}{\@totalleftmargin}%
13130      \addtolength{\L@Nindent}{\@totalleftmargin}%
13131      \addtocounter{L@lines}{1}%
13132      \addtocounter{L@lines}{\value{L@depth}}%
13133      \if@RTL
13134      \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13135      \else
13136      \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
13137      \fi
13138      \@tempcnta=\tw@
13139      \@whilenum \@tempcnta<\c@L@lines\do{%
13140      \if@RTL
13141      \edef\L@parshape{\L@parshape \z@ \the\L@next}%
13142      \else
13143      \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
13144      \fi
13145      \addtolength{\L@Nindent}{\L@slope}%
13146      \addtolength{\L@next}{-\L@slope}%
13147      \advance\@tempcnta\@ne}%
13148      \if@RTL
13149      \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
13150      \else
13151      \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
13152      \fi
13153      \noindent
13154      \parshape=\L@parshape\relax
13155      \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
13156      \hskip \the\L@Findent}}%
13157      \usebox{\L@tbox}%
13158      \ifnum\@listdepth>0 \Lreset@listparshape \fi
13159 }

```

75 File lineno-xetex-bidi.def

```

13160 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for XeTeX engi
13161 \bidi@patchcmd{\MakeLineNo}{%
13162   \hb@xt@\z@\makeLineNumber}%
13163 }{%
13164   \hboxL to \z@\makeLineNumber}%
13165 }{}

```



```

13166
13167 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
13168   \if@RTL
13169     \hb@xt@\linenumberwidth{\LineNumber\hss}%
13170   \else
13171     \LineNumber
13172   \fi
13173 }{}{}
13174
13175 \bidi@patchcmd{\makeLineNumberRight}{%
13176   \hb@xt@\linenumberwidth{\hss\LineNumber}%
13177 }{}{}
13178   \if@RTL
13179     \LineNumber
13180   \else
13181     \hb@xt@\linenumberwidth{\hss\LineNumber}%
13182   \fi
13183 }{}{}
13184
13185 \bidi@AfterPreamble{%
13186   \if@RTLmain
13187     \rightlinenumbers*
13188   \else
13189     \leftlinenumbers*
13190   \fi
13191   \@ifpackagewith{lineno}{left}{%
13192     \leftlinenumbers*
13193   }{}
13194   \@ifpackagewith{lineno}{right}{%
13195     \rightlinenumbers*
13196   }{}
13197 }
13198

```

76 File listings-xetex-bidi.def

```

13199 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package for XeTeX]
13200 \lst@Key{captiondirection}{textdirection}{%
13201   \lstKV@SwitchCases{#1}%
13202   {textdirection:\\%
13203     RTL:\chardef\bidi@lst@caption@direction@one\\%
13204     LTR:\chardef\bidi@lst@caption@direction@z@%
13205   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13206
13207 \lst@Key{captionscript}{textscript}{%
13208   \lstKV@SwitchCases{#1}%
13209   {textscript:\\%
13210     latin:\chardef\bidi@lst@caption@script@one\\%
13211     nonlatin:\chardef\bidi@lst@caption@script@z@%
13212   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13213
13214 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
13215   \@ifundefined{bidi@lst@caption@direction}{}{%
13216     \ifnum\bidi@lst@caption@direction=\z@%
13217       #1%
13218     \else%
13219       \ifnum\bidi@lst@caption@direction=\@ne%

```




```

13220          #2%
13221          \fi%
13222    \fi%
13223 }}
13224
13225 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
13226   \@ifundefined{bidi@lst@caption@script}{}{%
13227     \ifnum\bidi@lst@caption@script=\z@%
13228       #1%
13229     \else%
13230       \ifnum\bidi@lst@caption@script=\@ne%
13231         #2%
13232       \fi%
13233     \fi%
13234 }}
13235
13236 \long\def\bidi@lst@makecaption#1#2{%
13237   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13238   \vskip\abovcaptionskip
13239   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13240   \sbox\@tempboxa{%
13241     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
13242     #1: #2%
13243     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
13244   }%
13245   \ifdim \wd\@tempboxa >\hsize
13246     #1: #2\par
13247   \else
13248     \global \@minipagefalse
13249     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13250   \fi
13251   \vskip\belowcaptionskip}%
13252 \def\lst@makecaption{\@bidi@lst@makecaption}
13253 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
13254 \bidi@AtEndPreamble{%
13255   \bidi@patchcmd{\lst@MakeCaption}{%
13256     \ifx #1t%
13257       \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13258         \expandafter\refstepcounter
13259       \fi {lstlisting}%
13260   }{%
13261     \ifx #1t%
13262       \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13263       \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13264         \expandafter\refstepcounter
13265       \fi {lstlisting}%
13266       \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13267   }{}%
13268   \bidi@patchcmd{\lst@MakeCaption}{%
13269     \addcontentsline{lol}{lstlisting}%
13270     {\protect\numberline{\thelstlisting}\lst@@caption}%
13271   }{}%
13272   \begingroup%
13273     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13274     \addcontentsline{lol}{lstlisting}%
13275     {\protect\numberline{\thelstlisting}\lst@@caption}%
13276   \endgroup%

```



```

13277 }{}{}%
13278 }
13279 \@ifpackageloaded{caption}{%
13280   \AtBeginCaption{%
13281     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13282     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13283   }
13284   \let\bidi@lst@makecaption\caption@makecaption%
13285   \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
13286   \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}%
13287 }{}%
13288 \AtBeginDocument{%
13289   \@ifundefined{captionlabelfalse}{}{}%
13290   \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\@empty}}%
13291   \@ifundefined{caption@startrue}{}{}%
13292   \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}}%
13293 }{}%
13294 }
13295 \AtBeginDocument{
13296   \@ifundefined{thechapter}{}{\let\lst@ifnumberbychapter\iffalse}{}
13297   \lst@ifnumberbychapter
13298     \gdef\thelstlisting%
13299       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13300   \else
13301     \gdef\thelstlisting{\@arabic\c@lstlisting}
13302   \fi}

```

77 File loadingorder-xetex-bidi.def

```

13303 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last package loaded]
13304 \bidi@isloaded{amsmath}
13305 \bidi@isloaded{amstext}
13306 \bidi@isloaded{amsthm}
13307 \bidi@isloaded{animate}
13308 \bidi@isloaded{breqn}
13309 \bidi@isloaded{cals}
13310 \bidi@isloaded{caption}
13311 \bidi@isloaded{crop}
13312 \bidi@isloaded{cuted}
13313 \bidi@isloaded{cutwin}
13314 \bidi@isloaded{color}
13315 \bidi@isloaded{dblfnote}
13316 \bidi@isloaded{diagbox}
13317 \bidi@isloaded{xcolor}
13318 \bidi@isloaded{colortbl}
13319 \bidi@isloaded{float}
13320 \bidi@isloaded{floatrow}
13321 \bidi@isloaded{flowfram}
13322 \bidi@isloaded{framed}
13323 \bidi@isloaded{ftnright}
13324 \bidi@isloaded{xltxtra}
13325 \bidi@isloaded{xunicode}
13326 \bidi@isloaded{wrapfig}
13327 \bidi@isloaded{graphicx}
13328 \bidi@isloaded{geometry}
13329 \bidi@isloaded{hvfloa}
13330 \bidi@isloaded{mdframed}

```



```

13331 \bidi@isloaded{midfloat}
13332 \bidi@isloaded{ntheorem}
13333 \bidi@isloaded{ntheorem-hyper}
13334 \bidi@isloaded{hyperref}
13335 \bidi@isloaded{fancybox}
13336 \bidi@isloaded{fancyhdr}
13337 \bidi@isloaded{fix2col}
13338 \bidi@isloaded{draftwatermark}
13339 \bidi@isloaded{empheq}
13340 \bidi@isloaded{overpic}
13341 \bidi@isloaded{pdfpages}
13342 \bidi@isloaded{listings}
13343 \bidi@isloaded{lettrine}
13344 \bidi@isloaded{lineno}
13345 \bidi@isloaded{media9}
13346 \bidi@isloaded{pstricks}
13347 \bidi@isloaded{pgf}
13348 \bidi@isloaded{picinpar}
13349 \bidi@isloaded{quotchap}
13350 \bidi@isloaded{tikz}
13351 \bidi@isloaded{titlesec}
13352 \bidi@isloaded{titletoc}
13353 \bidi@isloaded{array}
13354 \bidi@isloaded{soul}
13355 \bidi@isloaded{stabular}
13356 \bidi@isloaded{subfig}
13357 \bidi@isloaded{subfigure}
13358 \bidi@isloaded{supertabular}
13359 \bidi@isloaded{xtab}
13360 \bidi@isloaded{longtable}
13361 \bidi@isloaded{arydshln}
13362 \bidi@isloaded{multicol}
13363 \bidi@isloaded{multienum}
13364 \bidi@isloaded{minitoc}
13365 \bidi@isloaded{natbib}
13366 \bidi@isloaded{newfloat}
13367 \bidi@isloaded{ragged2e}
13368 \bidi@isloaded{rotating}
13369 \bidi@isloaded{tabls}
13370 \bidi@isloaded{tabulary}
13371 \bidi@isloaded{tocbasic}
13372 \bidi@isloaded{tocstyle}
13373 \bidi@isloaded{tocbibind}
13374 \bidi@isloaded{fontspec}
13375 \bidi@isloaded{arabxetex}
13376 \bidi@isloaded{polyglossia}
13377 \bidi@isloaded{fancyvrb}
13378 \AtBeginDocument{
13379   \if@bidi@amsmathloaded@else
13380     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. Please
13381     \fi%
13382     \if@bidi@amstextloaded@else
13383     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. Please
13384     \fi%
13385     \if@bidi@amsthmloaded@else
13386     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. Please
13387     \fi%

```



```

13388 \if@bidi@animateloaded@else
13389 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package. Please
13390 \fi%
13391 \if@bidi@breqnloaded@else
13392 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Please 1
13393 \fi%
13394 \if@bidi@calsloaded@else
13395 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Please lo
13396 \fi%
13397 \if@bidi@captionloaded@else
13398 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. Please
13399 \fi%
13400 \if@bidi@croplloaded@else
13401 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Please lo
13402 \fi%
13403 \if@bidi@colorloaded@else
13404 \@ifpackageloaded{hyperref}{}{\%
13405 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Please 1
13406 \fi%
13407 \if@bidi@cutwinloaded@else
13408 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. Please
13409 \fi%
13410 \if@bidi@cutedloaded@else
13411 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Please 1
13412 \fi%
13413 \if@bidi@dblfnloaded@else
13414 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package. Pleas
13415 \fi%
13416 \if@bidi@diagboxloaded@else
13417 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package. Please
13418 \fi%
13419 \if@bidi@xcolorloaded@else
13420 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. Please
13421 \fi%
13422 \if@bidi@colortblloaded@else
13423 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package. Pleas
13424 \fi%
13425 \if@bidi@floatloaded@else
13426 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Please 1
13427 \fi%
13428 \if@bidi@floatrowloaded@else
13429 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package. Pleas
13430 \fi%
13431 \if@bidi@flowframloaded@else
13432 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package. Pleas
13433 \fi%
13434 \if@bidi@framedloaded@else
13435 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. Please
13436 \fi%
13437 \if@bidi@ftnrightloaded@else
13438 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package. Pleas
13439 \fi%
13440 \if@bidi@xltxtraloaded@else
13441 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package. Please
13442 \fi%
13443 \if@bidi@xunicodeloaded@else
13444 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package. Pleas

```



```

13445 \fi%
13446 \if@bidi@wrapfigloaded@else
13447 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. Please
13448 \fi%
13449 \if@bidi@graphicxloaded@else
13450 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package. Pleas
13451 \fi%
13452 \if@bidi@geometryloaded@else
13453 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package. Pleas
13454 \fi%
13455 \if@bidi@hvfloatloaded@else
13456 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. Pleas
13457 \fi%
13458 \if@bidi@mdframedloaded@else
13459 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package. Pleas
13460 \fi%
13461 \if@bidi@midfloatloaded@else
13462 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package. Pleas
13463 \fi%
13464 \if@bidi@ntheoremloaded@else
13465 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package. Pleas
13466 \fi%
13467 \if@bidi@hyperrefloaded@else
13468 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package. Pleas
13469 \fi%
13470 \if@bidi@fancyboxloaded@else
13471 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package. Pleas
13472 \fi%
13473 \if@bidi@fancyhdrloaded@else
13474 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package. Pleas
13475 \fi%
13476 \if@bidi@draftwatermarkloaded@else
13477 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi package.
13478 \fi%
13479 \if@bidi@empheqloaded@else
13480 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. Please
13481 \fi%
13482 \if@bidi@overpicloaded@else
13483 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package. Please
13484 \fi%
13485 \if@bidi@pdfpagesloaded@else
13486 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package. Pleas
13487 \fi%
13488 \if@bidi@lettrineloaded@else
13489 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package. Pleas
13490 \fi%
13491 \if@bidi@linenoloaded@else
13492 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package. Please
13493 \fi%
13494 \if@bidi@listingsloaded@else
13495 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package. Pleas
13496 \fi%
13497 \csname if@bidi@media9loaded@endcsname\else
13498 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package. Please
13499 \fi%
13500 \if@bidi@pstricksloaded@else
13501 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package. Pleas

```



```

13502 \fi%
13503 \if@bidi@pgfloaded@else
13504 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Please load pgf before bidi package.}{}]
13505 \fi%
13506 \if@bidi@picinparloaded@else
13507 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package. Please load picinpar before bidi package.}{}]
13508 \fi%
13509 \if@bidi@quotchaploaded@else
13510 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package. Please load quotchap before bidi package.}{}]
13511 \fi%
13512 \if@bidi@tikzloaded@else
13513 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Please load tikz before bidi package.}{}]
13514 \fi%
13515 \if@bidi@titlesecloaded@else
13516 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package. Please load titlesec before bidi package.}{}]
13517 \fi%
13518 \if@bidi@titletocloaded@else
13519 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package. Please load titletoc before bidi package.}{}]
13520 \fi%
13521 \if@bidi@arrayloaded@else
13522 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Please load array before bidi package.}{}]
13523 \fi%
13524 \if@bidi@stabularloaded@else
13525 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package. Please load stabular before bidi package.}{}]
13526 \fi%
13527 \if@bidi@soulloaded@else
13528 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Please load soul before bidi package.}{}]
13529 \fi%
13530 \if@bidi@subfigloaded@else
13531 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. Please load subfig before bidi package.}{}]
13532 \fi%
13533 \if@bidi@subfigureloaded@else
13534 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package. Please load subfigure before bidi package.}{}]
13535 \fi%
13536 \if@bidi@supertabularloaded@else
13537 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi package. Please load supertabular before bidi package.}{}]
13538 \fi%
13539 \if@bidi@xtabloaded@else
13540 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Please load xtab before bidi package.}{}]
13541 \fi%
13542 \if@bidi@longtableloaded@else
13543 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package. Please load longtable before bidi package.}{}]
13544 \fi%
13545 \if@bidi@arydshlnloaded@else
13546 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package. Please load arydshln before bidi package.}{}]
13547 \fi%
13548 \if@bidi@multicolloaded@else
13549 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package. Please load multicol before bidi package.}{}]
13550 \fi%
13551 \if@bidi@multienumloaded@else
13552 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package. Please load multienum before bidi package.}{}]
13553 \fi%
13554 \if@bidi@minitocloaded@else
13555 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. Please load minitoc before bidi package.}{}]
13556 \fi%
13557 \if@bidi@natbibloaded@else
13558 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. Please load natbib before bidi package.}{}]

```



```

13559 \fi%
13560 \if@bidi@newfloatloaded@else
13561 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package. Pleas
13562 \fi%
13563 \csname if@bidi@ragged2loaded@endcsname\else
13564 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package. Pleas
13565 \fi%
13566 \if@bidi@rotatingloaded@else
13567 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package. Pleas
13568 \fi%
13569 \if@bidi@tablsloaded@else
13570 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabls after bidi package. Please l
13571 \fi%
13572 \if@bidi@tabularyloaded@else
13573 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package. Pleas
13574 \fi%
13575 \if@bidi@tocbasicloaded@else
13576 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi package. Pleas
13577 \fi%
13578 \if@bidi@tocstyleloaded@else
13579 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package. Pleas
13580 \fi%
13581 \if@bidi@tocbibindloaded@else
13582 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package. Plea
13583 \fi%
13584 \if@bidi@fontspecloaded@else
13585 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package. Pleas
13586 \fi%
13587 \if@bidi@arabxetexloaded@else
13588 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package. Plea
13589 \fi%
13590 \if@bidi@polyglossialloaded@else
13591 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi package. PL
13592 \fi%
13593 \if@bidi@fancyvrbloaded@else
13594 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package. Pleas
13595 \fi%
13596 }

```

78 File longtable-xetex-bidi.def

```

13597 \ProvidesFile{longtable-xetex-bidi.def}[2019/01/19 v0.5 bidi adaptations for longtable package for XeTeX]
13598 \def\LT@array[#1]#2{%
13599 \refstepcounter{table}\stepcounter{LT@tables}%
13600 \if l#1%
13601 \if@RTLtab\LTleft\fill \LTright\z@else\LTleft\z@ \LTright\fill\fi
13602 \else\if r#1%
13603 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13604 \else\if c#1%
13605 \LTleft\fill \LTright\fill
13606 \fi\fi\fi
13607 \let\LT@mc@col\multicolumn
13608 \let\LT@tabarray\@tabarray
13609 \let\LT@hline\hline
13610 \def\@tabarray{%
13611 \let\hline\LT@hline
13612 \LT@tabarray}%

```



```

13613 \let\\LT@tabularcr\let\tabularnewline\\%
13614 \def\newpage{\noalign{\break}}%
13615 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13616 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
13617 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13618 \@tempdima\ht\strutbox
13619 \let\@endpbox\LT@endpbox
13620 \ifx\extrarowheight\@undefined
13621 \let\@acol\@tabacol
13622 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13623 \def\@startpbox{\vtop\LT@startpbox}%
13624 \let\@@startpbox\@startpbox
13625 \let\@@endpbox\@endpbox
13626 \let\LT@LL@FM@cr\@tabularcr
13627 \else
13628 \advance\@tempdima\extrarowheight
13629 \col@sep\tabcolsep
13630 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13631 \fi
13632 \setbox\@arstrutbox\hbox{\vrule
13633 \@height \arraystretch \@tempdima
13634 \@depth \arraystretch \dp \strutbox
13635 \@width \z@}%
13636 \let\@sharp#\let\protect\relax
13637 \begingroup
13638 \mkpream{#2}%
13639 \xdef\LT@bchunk{%
13640 \global\advance\c@LT@chunks\@ne
13641 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13642 \LT@setprevdepth
13643 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13644 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13645 \endgroup
13646 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13647 \LT@make@row
13648 \m@th\let\par\@empty
13649 \everycr{}\lineskip\z@\baselineskip\z@
13650 \LT@bchunk}
13651 \def\LT@makecaption#1#2#3{%
13652 \LT@mc@LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
13653 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}}%
13654 \ifdim\wd\@tempboxa>\hsize
13655 #1{#2: }#3%
13656 \else
13657 \hbox to\hsize{\hfil\box\@tempboxa\hfil}}%
13658 \fi
13659 \endgraf\vskip\baselineskip}%
13660 \hss}}
13661 \ifpackageloaded{caption}{%
13662 \renewcommand\LT@makecaption[3]{%
13663 \caption@LT@make{%
13664 \caption@settype*\LT@captype
13665 \ifdim\LT@capwidth=4in \else
13666 \setcaptionwidth\LT@capwidth
13667 \fi
13668 \caption@setoptions{longtable}}%
13669 \caption@setoptions{@longtable}}%

```




```

13670 \caption@LT@setup
13671 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13672 \caption@startrue#1\caption@starfalse
13673 \caption@prepare@stepcounter\LTcaptiontype{LT}%
13674 \caption@begin\LTcaptiontype
13675 \caption@normalsize
13676 \vskip-\ht\strutbox
13677 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13678 \caption@make{#2}{#3}\endgraf
13679 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13680 \caption@end}}%
13681 }{}
13682 \def\LT@startpbox#1{%
13683 \bgroup\color@begingroup
13684 \let\@footnotetext\LT@p@ftntext
13685 \let\@LTRfootnotetext\LT@p@LTRftntext
13686 \let\@RTLfootnotetext\LT@p@RTLftntext
13687 \setlength\hsize{#1}%
13688 \@arrayparboxrestore
13689 \vrule \@height \ht\@arstrutbox \@width \z@}
13690 \def\LT@p@LTRftntext#1{%
13691 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13692 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13693 \def\LT@p@RTLftntext#1{%
13694 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13695 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13696
13697
13698 \def\LT@output{%
13699 \ifnum\outputpenalty <-\@Mi
13700 \ifnum\outputpenalty > -\LT@end@pen
13701 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13702 \else
13703 \setbox\z@\vbox{\unvbox\@cclv}%
13704 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13705 \dimen@ \pagegoal
13706 \advance\dimen@-\ht\LT@lastfoot
13707 \ifdim\dimen@<\ht\z@
13708 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13709 \@makecol
13710 \@outputpage
13711 \setbox\z@\vbox{\box\LT@head}%
13712 \fi
13713 \fi
13714 \global\@colroom\@colht
13715 \global\vsizel\@colht
13716 \vbox
13717 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@
13718 \fi
13719 \else
13720 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot\vss\if@RT
13721 \@makecol
13722 \@outputpage
13723 \global\vsizel\@colroom
13724 \copy\LT@head\nobreak
13725 \fi}

```



79 File mathtools-xetex-bidi.def

```

13726 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package for XeTeX]
13727 \MHInternalSyntaxOn
13728 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13729   \@namedef{MT_tagform_#1:n}##1
13730   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@ \ignorespaces#2{##1}\unskip\@italiccorr#4\if@nonlatin
13731 }
13732 \renewtagform{default}{\{ }\}}
13733 \MHInternalSyntaxOff

```

80 File mdframed-xetex-bidi.def

```

13734 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for XeTeX]
13735 \newif\if@bidi@mdf@RTL
13736 \def\mdf@lrbox#1{%
13737   \mdf@patchamsthm\patch amsthm
13738   \if@RTL\@bidi@mdf@RTLtrue\fi%
13739   \@RTLfalse%
13740   \setbox#1\vbox\bgroup%
13741   \color@begingroup%
13742   \if@bidi@mdf@RTL\@RTLtrue\fi%
13743   \mdf@horizontalmargin@equation%
13744   \columnwidth=\hsize%
13745   \textwidth=\hsize%
13746   \let\if@nobreak\iffalse%
13747   \let\if@noskipsec\iffalse%
13748   \let\par\@par%
13749   \let\-\@dischph%
13750   \let'\@acci\let'\@accii\let\=\@acciii%
13751   \parindent\z@ \parskip\z@skip%
13752   \linewidth\hsize%
13753   \@totalleftmargin\z@%
13754   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13755   \parfillskip\@flushglue \lineskip\normallineskip%
13756   \baselineskip\normalbaselineskip%
13757   %% \sloppy%
13758   \let\\\@normalcr%
13759   \mdf@par@local%New feature to restore parskip/parindent local in save box
13760   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13761   \@afterindentfalse%
13762   %\@afterheading%
13763 }
13764 \renewrobustcmd\mdfframedtitleenv[1]{%
13765   \mdf@lrbox{\mdf@frametitlebox}%
13766   \mdf@frametitlealignment%
13767   \leavevmode{\color{\mdf@frametitlefontcolor}%
13768     \normalfont\mdf@frametitlefont{#1}}
13769   \ifbool{mdf@ignorelastdescenders}{%
13770     {%
13771       \par\strut\par
13772       \unskip\unskip\setbox0=\lastbox
13773       \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13774     }{}%
13775   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13776   \endmdf@lrbox\relax%
13777   \mdf@ignorevbadness%

```



```

13778 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13779 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13780 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13781 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13782 \mdfframetitleboxtotalheight=\dimexpr
13783 \ht\mdf@frametitlebox
13784 +\dp\mdf@frametitlebox%
13785 +\mdf@frametitleaboveskip@length
13786 +\mdf@frametitlebelowskip@length
13787 \relax%
13788 }
13789
13790 \renewrobustcmd*\mdf@footnoteoutput{%
13791 \ifvoid\@mpfootins\else%
13792 \nobreak%
13793 \vskip\mdf@footnotedistance@length%
13794 \normalcolor%
13795 \bidi@mpfootnoterule%
13796 \unvbox\@mpfootins%
13797 \fi%
13798 }
13799
13800
13801 \renewrobustcmd*\mdf@footnoteinput{%
13802 \def\@mpfn{mpfootnote}%
13803 \def\thempfn{\thempfootnote}%
13804 \c@mpfootnote\z@%
13805 \let\@footnotetext\@mpfootnotetext%
13806 \let\@LTRfootnotetext\@mpLTRfootnotetext%
13807 \let\@RTLfootnotetext\@mpRTLfootnotetext%
13808 }

```

81 File bidi-media9.sty

```

13809 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13810 {bidi fixes for media9 package for the XeTeX engine}
13811
13812 \keys_define:nn{media9/mbtn}{
13813 draft .code:n = {},
13814 final .code:n = {},
13815
13816 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13817 tooltip .value_required:n = {true},
13818
13819 overface .code:n = {
13820 \sbox\l_mix_poster_box{
13821 \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13822 \mix_pdfxform:n{\l_mix_poster_box}
13823 \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13824 },
13825 overface .value_required:n = {true},
13826
13827 downface .code:n = {
13828 \sbox\l_mix_poster_box{
13829 \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13830 \mix_pdfxform:n{\l_mix_poster_box}
13831 \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}

```



```

13832 },
13833 downface .value_required:n = {true},
13834
13835 3Dgotoview .code:n = {
13836   \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13837   \regex_replace_once:nnN{([~:~+):??.*}{\1}\l_tmpa_tl
13838   \tl_trim_spaces:N\l_tmpa_tl
13839   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13840     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13841       \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13842       \regex_replace_once:nnN{([~:~+):??}{\1}\l_tmpb_tl
13843       \tl_trim_spaces:N\l_tmpb_tl
13844       \tl_if_blank:VF\l_tmpb_tl{
13845         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13846           \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
13847         }{
13848           \regex_match:nVTF{^~\d+$}\l_tmpb_tl{
13849             \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
13850           }{
13851             \regex_replace_once:nnN{^~\s*}{\1}\l_tmpb_tl
13852             \regex_replace_once:nnN{\s*\~}{\1}\l_tmpb_tl
13853             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13854           }
13855         }
13856       }
13857       \mix_pdfobj:nnn{}{dict}{
13858         /S/JavaScript/JS~(
13859           if (typeof (annotRM)=='undefined'){annotRM=new-Array();}
13860           if (typeof (annotRM['\l_tmpa_tl'])=='undefined'){
13861             annotRM['\l_tmpa_tl']=
13862               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13863           }
13864           annotRM['\l_tmpa_tl'].activated=true;
13865         )
13866         \tl_if_blank:VF\l_tmpb_tl{
13867           /Next~<<
13868           /S/GoTo3DView
13869           /TA~\tl_use:c{ann@\l_tmpa_tl}
13870           /V\l_mix_vidx_tl
13871         >>
13872       }
13873     }
13874     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13875   }
13876 }{
13877   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13878   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13879     \tl_new:N\g_mix_refundefwarned_tl
13880     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13881   }
13882 }
13883 },
13884 3Dgotoview .value_required:n = {true},
13885
13886 mediacommand .code:n = {
13887   \tl_set:Nx\l_tmpa_tl{#1}
13888   \regex_replace_once:nnN{([~:~+):??.*}{\1}\l_tmpa_tl %extract ref

```



```

13889 \tl_trim_spaces:N\l_tmpa_tl
13890 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13891   \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13892     \tl_set:Nx\l_tmpb_tl{#1}
13893     \regex_replace_once:nnN{[^\:]+\:?.*}\l_tmpb_tl
13894     \tl_trim_spaces:N\l_tmpb_tl
13895     \regex_replace_all:nnN{^\\|\\$}\l_tmpb_tl
13896     \tl_set:Nx\l_mix_cmd_tl{
13897       \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13898     \tl_trim_spaces:N\l_mix_cmd_tl
13899     \tl_set:Nx\l_mix_arg_tl{
13900       \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13901     \tl_trim_spaces:N\l_mix_arg_tl
13902     \mix_pdfobj:nnn{}{dict}{
13903       /S/JavaScript/JS~(
13904         if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13905         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13906           annotRM['\l_tmpa_tl']=
13907             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13908         }
13909         annotRM['\l_tmpa_tl'].activated=true;
13910       )
13911     \tl_if_blank:VF\l_mix_cmd_tl{
13912       /Next~<<
13913       /S/RichMediaExecute
13914       /TA~\tl_use:c{ann@\l_tmpa_tl}
13915       /TI~\tl_use:c{main@\l_tmpa_tl}
13916       /CMD~<<
13917       /C~(\l_mix_cmd_tl)
13918       \tl_if_blank:VF\l_mix_arg_tl{
13919         /A~[\l_mix_arg_tl]
13920       }
13921       >>
13922     }
13923   }
13924 }
13925 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13926 }
13927 }{
13928   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13929   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13930     \tl_new:N\g_mix_refundefwarned_tl
13931     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13932   }
13933 }
13934 },
13935 mediacommand .value_required:n = {true},
13936
13937 jsaction .code:n = {
13938   \tl_set:Nx\l_tmpa_tl{#1}
13939   \regex_match:nVTF{^[^\:]+\:?.*}\l_tmpa_tl{
13940     \regex_replace_once:nnN{[^\:]+\:?.*}\l_tmpa_tl %extract ref
13941     \tl_trim_spaces:N\l_tmpa_tl
13942   }{\tl_clear:N\l_tmpa_tl}
13943   \tl_set:Nx\l_tmpb_tl{#1}
13944   \tl_if_blank:VF\l_tmpa_tl{
13945     \tl_if_exist:cF{ann@\l_tmpa_tl}{

```



```

13946      \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13947      \cs_if_exist:NF\g_mix_refundefwarned_tl{
13948        \tl_new:N\g_mix_refundefwarned_tl
13949        \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13950      }
13951    }
13952    \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl}
13953  }
13954  \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13955  \tl_trim_spaces:N\l_tmpb_tl
13956  \tl_if_blank:VF\l_tmpb_tl{
13957    \mix_pdfobj:nnn{}{dict}{
13958      /S/JavaScript/JS-(
13959        try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
13960  \bool_lazy_and:nnT{
13961    \tl_if_exist_p:c{ann@\l_tmpa_tl}
13962  }{
13963    !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13964  }{
13965    \mix_pdfobj:nnn{}{dict}{
13966      /S/JavaScript/JS-(
13967        if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13968        if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13969          annotRM['\l_tmpa_tl']=
13970            this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13971        }
13972        annotRM['\l_tmpa_tl'].activated=true;
13973      )
13974      \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13975    }
13976  }
13977  \bool_if:nT{
13978    \bool_lazy_and_p:nn{
13979      \tl_if_exist_p:c{ann@\l_tmpa_tl}
13980    }{
13981      !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13982    }
13983    || !\tl_if_blank_p:V\l_tmpb_tl
13984  }{
13985    \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13986  }
13987 },
13988 jsaction .value_required:n = {true},
13989
13990 unknown .code:n = {
13991   \msg_error:nnx{media9}{unknown-option}{\l_keys_key_tl}
13992 }
13993 }
13994
13995 \RenewDocumentCommand\includemedia{0{}}mm{%#1 options, #2 text/image #3 media file
13996   \mix_uriend:
13997   \group_begin:
13998   \mix_beginLTR:
13999   \leavevmode
14000   %empty stream as appearance dummy
14001   \cs_if_exist:NF\g_mix_appearance_tl{
14002     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}

```



```

14003     \mix_pdfxform:n{\l_mix_poster_box}
14004     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
14005 }
14006 \mix_reset:
14007 \mix_uribegin: %treat URI characters correctly
14008 \keys_set:nn{media9/user}{#1}
14009 \mix_uriend:
14010 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
14011 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
14012 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
14013 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
14014 \tl_gtrim_spaces:N\g_mix_flashvars_tl
14015
14016 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
14017
14018 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
14019 %\hbox_set:Nn\l_mix_poster_box{#2}
14020 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14021 \mix_scale:n{\l_mix_poster_box}
14022 \bool_if:nT{
14023     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
14024     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
14025 }{
14026     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
14027 }
14028 \bool_if:NTF\g_mix_usrdraft_bool{
14029     \tl_if_empty:NF\g_mix_usrlabel_tl{
14030         \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
14031     }
14032     \tl_if_blank:oTF{#2}{
14033         \mix_uribegin: %treat URI characters correctly
14034         \mix_draftbox:n{\tl_to_str:n{#3}}
14035         \mix_uriend:
14036     }{
14037         \hbox_to_wd:nn{\g_mix_wd_tl}{
14038             \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
14039             \box_use:N\l_mix_poster_box\hss
14040         }
14041     }
14042 }{
14043     \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
14044         %attach script that switches off play button overlay upon activation
14045         \mix_pdfobj:nnn{}{stream}{
14046             {}{
14047                 var~ocgs=host.getOCGs(host.pageNum);
14048                 for(var~i=0;i<ocgs.length;i++){
14049                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcent_int'){
14050                         ocgs[i].state=false;
14051                     }
14052                 }
14053             }
14054         }
14055         \mix_pdfobj:nnn{}{dict}{
14056             /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
14057         }
14058         \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
14059         \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}

```



```

14060      %enforce plain playbutton overlay for XeTeX
14061      \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
14062    }
14063    %embed main asset
14064    \mix_uribegin:
14065    \mix_embedasset:n{#3}
14066    \bool_if:nTF{
14067      \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
14068    }{
14069      \bool_gset_true:N\g_mix_iiid_bool
14070      \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
14071    }{
14072      \str_case_x:nnF{\l_mix_base_tl}{
14073        {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14074        {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14075        {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14076        {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14077        {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14078      }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
14079    }
14080    \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
14081    \mix_uriend:
14082    %secondary assets (added by addresource)
14083    \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
14084    \seq_map_inline:Nn\g_mix_script_seq{
14085      \mix_embedasset:n{##1}
14086      \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
14087    }
14088    %attach 3D calculation script
14089    \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
14090      \mix_embedasset:n{3Dmenu.js}
14091      \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
14092    }
14093    %create 3D views from file (option 3Dviews)
14094    \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
14095      \tl_set:Nn\l_mix_level_tl{\c_minus_one}
14096      \int_zero:N\l_mix_viewcnt_int
14097      \int_zero:N\l_mix_lineno_int
14098
14099      \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
14100      \ior_map_inline:Nn\l_mix_vfile_stream{
14101        \int_incr:N\l_mix_lineno_int
14102        \keys_set:nn{media9/views}{##1} %process input line
14103      }
14104      \ior_close:N\l_mix_vfile_stream
14105    }
14106    \bool_if:nT{ %create default 3D view if required
14107      \g_mix_iiid_bool &&
14108      (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
14109    }{
14110      \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
14111      \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
14112      \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
14113      \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
14114      \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
14115      \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
14116      \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl

```




```

14117      \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14118      \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14119      \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14120      \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14121
14122      \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
14123      \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14124      \tl_clear:N\l_mix_naarray_tl
14125
14126      \bool_if:NF\l_mix_ciiw_bool{
14127        \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14128        \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14129      }
14130
14131      \tl_clear:N\l_mix_naarray_tl
14132      \tl_clear:N\l_mix_saarray_tl
14133      \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14134
14135      \mix_view:n{Default}
14136      \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14137
14138    }
14139    \mix_pdfobj:nnn{}{dict}{
14140      /Type/RichMediaInstance
14141      /Subtype/\g_mix_mainassetsub_tl
14142      /Asset~\g_mix_mainasset_tl
14143      \bool_if:NF\g_mix_iiid_bool{
14144        /Params~<<
14145          /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14146            /Foreground
14147          }{
14148            /Background
14149          }
14150          \tl_if_blank:VF\g_mix_flashvars_tl{
14151            /FlashVars~(\g_mix_flashvars_tl)
14152          }
14153        >>
14154      }
14155    }
14156    \tl_if_empty:NF\g_mix_usrlabel_tl{
14157      \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14158    }
14159    \mix_pdfobj:nnn{}{dict}{
14160      /Type/RichMediaConfiguration
14161      /Subtype/\g_mix_mainassetsub_tl
14162      /Instances~[\mix_pdflastobj:]
14163    }
14164    \mix_pdfobj:nnn{}{dict}{
14165      /Type/RichMediaContent
14166      /Assets~<</Names~[\g_mix_assets_tl]>>
14167      /Configurations~[\mix_pdflastobj:]
14168      \bool_if:nT{
14169        \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14170      }{
14171        /Views~[\l_mix_iiidviewarray_tl]
14172      }
14173    }

```



```

14174 }
14175 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14176 \bool_if:nT{
14177   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14178 }{
14179   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14180 }
14181 %determine floating window size
14182 \bool_if:NT\g_mix_opt_windowed_bool{
14183   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14184 }
14185 \mix_pdfobj:nnn{}{dict}{
14186   /Activation~<<
14187   /Condition\g_mix_act_tl
14188   \bool_if:nT{
14189     \g_mix_iiid_bool &&
14190     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14191   }{%seems to work only with 3D content
14192     /Animation~<<
14193     /Subtype/\g_mix_playtpe_tl
14194     /PlayCount~\g_mix_playcnt_tl
14195     /Speed~\g_mix_playspd_tl
14196     >>
14197   }
14198   \bool_if:nT{
14199     \g_mix_iiid_bool && (
14200       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14201     )
14202   }{/View~\l_mix_dfltview_tl}
14203   /Presentation~<<
14204   /Transparent~\g_mix_transp_tl
14205   \bool_if:NTF\g_mix_opt_windowed_bool{
14206     /Style/Windowed
14207   /Window~<<
14208     /Width~<</Default~\tl_mix_fltdw>>
14209     /Height~<</Default~\tl_mix_fltht>>
14210     /Position~<<
14211     /HOffset~0/VOffset~0
14212     \str_case_x:nnF{\g_mix_winpos_tl}{
14213       {tl}{/VAlign/Near/HAlign/Near}
14214       {cl}{/VAlign/Center/HAlign/Near}
14215       {bl}{/VAlign/Far/HAlign/Near}
14216       {bc}{/VAlign/Far/HAlign/Center}
14217       {br}{/VAlign/Far/HAlign/Far}
14218       {cr}{/VAlign/Center/HAlign/Far}
14219       {tr}{/VAlign/Near/HAlign/Far}
14220       {tc}{/VAlign/Near/HAlign/Center}
14221     }{/HAlign/Center/VAlign/Center}
14222     >>
14223   }
14224   }{
14225     /Style/Embedded
14226   }
14227   \bool_if:NTF\g_mix_iiid_bool{
14228     /Toolbar~\g_mix_tools_tl
14229     /NavigationPane~\g_mix_nav_tl
14230   }{

```



```

14231         /PassContextClick~\g_mix_contextclick_tl
14232     }
14233     >>
14234     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14235     >>
14236     /Deactivation~<</Condition\g_mix_deact_tl>>
14237 }
14238 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14239 \tl_if_empty:NF\g_mix_usrlabel_tl{
14240     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14241 }
14242 % #1:width, #2:height, #3:depth, #4:content (key-value)
14243 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14244     /Subtype/RichMedia
14245     /F~4
14246     /BS~<</W~0/S/S>>
14247     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14248     /NM~(\g_mix_label_tl)
14249     /AP~<</N~\g_mix_appearance_tl>>
14250     /RichMediaSettings~\l_mix_settings_tl
14251     /RichMediaContent~\l_mix_content_tl
14252 }
14253 \tl_if_empty:NF\g_mix_usrlabel_tl{
14254     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14255     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14256         \noexpand\the\g_mix@page@int}
14257 }
14258 \mix_pdfobj:nnn{}{dict}{
14259     /S/JavaScript/JS~(
14260         try{
14261             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14262             if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14263                 annotRM['\g_mix_label_tl']=
14264                     this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14265             }
14266             \str_if_eq:x:nnF{\g_mix_usrpbtn_tl}{none}{
14267                 if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14268                     var~ocgs=this.getOCGs(this.pageNum);
14269                     for(var~i=0;i<ocgs.length;i++){
14270                         if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14271                             var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14272                         }
14273                     }
14274                 }
14275                 if(
14276                     !annotRM['\g_mix_label_tl'].activated&&(
14277                         app.viewerType=='Reader' ||
14278                         app.viewerType=='Exchange' ||
14279                         app.viewerType=='Exchange-Pro'
14280                     )&&app.viewerVersion>=9
14281                 ){
14282                     ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14283                 }
14284             }
14285         }catch(e){}
14286         this.dirty=false;
14287     )

```



```

14288 }
14289 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14290 /Subtype/Widget
14291 /FT/Btn/Ff-65537/F-2
14292 /BS-<</W-0>>
14293 /T~(fd@g_mix_label_tl)
14294 /AA-<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14295 }
14296 \mix_appendtofields:n{\mix_pdflastann:}
14297 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14298 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14299 \hbox_to_wd:nn{\g_mix_wd_tl}{
14300 \vrule-width~\c_zero_dim-height~\g_mix_ht_tl-depth~\g_mix_dp_tl\hss
14301 }
14302 }{%insert play button overlay
14303 \mix_insert_btnocg: %create OCG
14304 \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14305 \group_begin:
14306 \cs_if_exist:NT\textdir{\textdir TLT}
14307 \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14308 \box_move_down:nn{\g_mix_dp_tl}{
14309 \hbox_to_wd:nn{\g_mix_wd_tl}{
14310 \vbox_to_ht:nn{\g_mix_tt_tl}{
14311 \vss
14312 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14313 \box_use:N\l_mix_pbtn_box
14314 \ocgbase_oc_emc:
14315 }
14316 }
14317 }
14318 \group_end:
14319 }
14320 \int_gincr:N\g_mix_rmcnt_int
14321 }
14322 \mix_endLTR:
14323 \group_end:
14324 }
14325 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14326 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14327
14328 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
14329 \mix_uribegin:
14330 \group_begin:
14331 \mix_beginLTR:
14332 \leavevmode
14333 %reset various variables
14334 \tl_gclear:N\g_mix_overbtn_tl
14335 \tl_gclear:N\g_mix_downbtn_tl
14336 \tl_gclear:N\g_mix_btnactions_tl
14337 \tl_gclear:N\g_mix_tooltip_tl
14338 %process options
14339 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14340 \mix_uribegin: %treat URI characters correctly
14341 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14342 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14343 \mix_uribegin:
14344 %normal button appearance

```



```

14345 %\hbox_set:Nn\l_mix_poster_box{#2}
14346 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14347 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14348 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14349 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14350 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14351   \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
14352     \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14353   \mix_pdfxform:n{\l_mix_poster_box}
14354   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14355   %insert widget annotation
14356   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14357     /Subtype/Widget
14358     /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
14359     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14360     /FT/Btn/Ff-65536
14361     \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14362     /AP~<<
14363     /N~\g_mix_normalbtn_tl
14364     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14365     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14366     >>
14367     /MK~<<
14368     /TP~1~/IF~<</S/A/FB~true/A-[0.0-0.0]>>
14369     /I~\g_mix_normalbtn_tl
14370     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14371     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14372     >>
14373     /A~<<
14374     /S/JavaScript/JS~(app.focusRect=false;)
14375     %sequence of actions to perform
14376     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14377     >>
14378   }
14379   \mix_appendtofields:n{\mix_pdflastann:}
14380   \hbox_to_wd:nn{\width}{
14381     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14382   }
14383   \int_gincr:N\g_mix_mbtncnt_int
14384 }
14385 \mix_endLTR:
14386 \group_end:
14387 }
14388 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14389 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14390
14391

```

82 File memoir-xetex-bidi.def

```

14392 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for XeTeX engine]
14393 \renewcommand{\keepthetitle}{%
14394   \@bsmtitleempty
14395   \global\let\thanks\relax
14396   \global\let\LTRthanks\relax
14397   \global\let\RTLthanks\relax
14398   \global\let\and\relax

```



```

14399 \global\let\andnext\relax
14400 \global\let\@thanks\@empty
14401 \global\let\@title\@empty
14402 \global\let\@author\@empty
14403 \global\let\@date\@empty}
14404 \renewcommand{\maketitle}{\par
14405 \begin{group}
14406 \@bsmarkseries
14407 \def\@makefnmark{\@textsuperscript{%
14408 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
14409 \long\def\@makefntext##1{\makethanksmark ##1}
14410 \if@twocolumn
14411 \ifnum \col@number=\@one
14412 \maketitle
14413 \else
14414 \twocolumn[\maketitle]%
14415 \fi
14416 \else
14417 \ifdim\pagetotal>\z@
14418 \newpage
14419 \fi
14420 \global\@topnum\z@
14421 \maketitle
14422 \fi
14423 \thispagestyle{title}\@thanks
14424 \end{group}
14425 \@bscontmark % \setcounter{footnote}{0}%
14426 }
14427 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14428 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14429 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14430 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14431 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14432 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14433 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14434 \renewcommand*{\thesubsection}{%
14435 \thesection\@SepMark\@arabic\c@subsection}
14436 \renewcommand*{\thesubsubsection}{%
14437 \thesubsection\@SepMark\@arabic\c@subsubsection}
14438 \renewcommand*{\theparagraph}{%
14439 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14440 \renewcommand*{\thesubparagraph}{%
14441 \theparagraph\@SepMark\@arabic\c@subparagraph}
14442 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14443 \renewcommand{\theequation}{%
14444 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14445 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14446 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14447 \ifartopt
14448 \chapterstyle{article}
14449 \counterwithout{figure}{chapter}
14450 \counterwithout{table}{chapter}
14451 \counterwithout{footnote}{chapter}
14452 \counterwithout{equation}{chapter}
14453 \renewcommand{\chaptername}{\}
14454 \renewcommand{\maketitlehookb}{%
14455 \vskip -1.5\topsep\vskip -1.5\partopsep}

```



```

14456 \renewcommand{\maketitlehookc}{%
14457 \vskip -1.5\topsep\vskip -1.5\partopsep}
14458 \fi
14459 \long\def\@makecaption#1#2{\let\@memtempa\relax
14460 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14461 \else \def\@memtempa{\vbox to\topskip{}}\fi
14462 \let\@contfnote\footnote \renewcommand{\footnote}[2][]{%
14463 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][]{%
14464 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}%
14465 \let\footnote\@contfnote
14466 \let\footnotemark\@contfmark
14467 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14468 \if@contcw
14469 \centering
14470 \parbox{\@contcwidth}{%
14471 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14472 \fi
14473 \ifdim\wd\@tempboxa<\linewidth
14474 \@contpre
14475 {\@contnfont #1\@contdelim}\@memtempa
14476 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14477 \else
14478 \if@conthang
14479 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14480 \@contpre%
14481 {\@contcstyle\hangindent=\wd\@tempboxa
14482 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14483 \else
14484 \if@contindent
14485 \@contpre%
14486 {\@contnfont #1\@contdelim}\@memtempa
14487 {\@contcstyle\hangindent=\@contindw
14488 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14489 \else
14490 \@contpre%
14491 {\@contnfont #1\@contdelim}\@memtempa
14492 {\@contcstyle \@conttfont #2\@contfinal\par}
14493 \fi
14494 \fi
14495 \fi
14496 \@contpost
14497 \if@contcw
14498 \par
14499 } % end of the \parbox
14500 \fi
14501 \vskip\belowcaptionskip}
14502 \ifpackageloaded{caption}{%
14503 \AtBeginPackage{caption}{%
14504 \ClassWarningNoLine{memoir}{%
14505 You are using the caption package with the memoir \MessageBreak
14506 class. This may cause unexpected or inconsistent \MessageBreak
14507 results if you use any of memoir's captioning facilities}
14508 }
14509 \long\def\@makecaption##1##2{%
14510 \vskip\abovecaptionskip
14511 \sbox\@tempboxa{\ifRTL\beginR\fi##1: ##2\ifRTL\endR\fi}%
14512 \ifdim \wd\@tempboxa >\hsize

```



```

14513 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14514 \else
14515 \global \@minipagefalse
14516 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14517 \fi
14518 \vskip\belowcaptionskip}
14519
14520 \def\caption{%
14521 \ifx\@capttype\@undefined
14522 \latex@error{\noexpand\caption outside float}\@ehd
14523 \expandafter\@gobble
14524 \else
14525 \refstepcounter\@capttype
14526 \expandafter\@firstofone
14527 \fi
14528 {\@dblarg{\@caption\@capttype}}%
14529 }
14530
14531 \long\def\@caption##1[##2]##3{%
14532 \par
14533 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14534 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14535 \begingroup
14536 \@parboxrestore
14537 \if@minipage
14538 \setminipage
14539 \fi
14540 \normalsize
14541 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14542 \endgroup}
14543 }}{}
14544 \renewenvironment{thebibliography}[1]{%
14545 \bibsection
14546 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14547 \bidi@thebibliography@font@hook%
14548 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

83 File midfloat-xetex-bidi.def

```

14549 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package for XeTeX]
14550 \def\RTL@outputdblcol{%
14551 \if@firstcolumn
14552 \global \@firstcolumnfalse
14553 \global\setbox\@leftcolumn\copy\@outputbox
14554 \splitmaxdepth\maxdimen
14555 \vbadness\maxdimen
14556 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14557 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14558 \toks@\expandafter{\topmark}%
14559 \xdef\@firstcoltopmark{\the\toks@}%
14560 \toks@\expandafter{\splitfirstmark}%
14561 \xdef\@firstcolfirstmark{\the\toks@}%
14562 \ifx\@firstcolfirstmark\@empty
14563 \global\let\@setmarks\relax
14564 \else
14565 \gdef\@setmarks{%
14566 \let\firstmark\@firstcolfirstmark

```




```

14567      \let\topmark\@firstcoltopmark}%
14568      \fi
14569      \global\c@colht\@colht\global\c@addvipersep\z@
14570      \ifnum\jua@sk>0
14571        \remove@strip\jua@sar
14572        \global\@colht\the\jua@pr
14573        \ifdim\right@cor>\z@
14574          \global\advance\@colht by\right@cor
14575        \fi
14576        \global\advance\@colht by\cor@height
14577        \global\cor@height=0pt
14578      \fi
14579      \global\setbox\@rightcolumn\ vbox{ }%
14580    \else
14581      \ifdim\c@colht>\@colht
14582        \@tempdima\@colht
14583        \ifdim\@colht>\z@
14584          \global\setbox\@rightcolumn\ vbox{%
14585            \unvbox\@rightcolumn
14586            \vbox to\@tempdima{%
14587              \vskip\c@addvipersep\unvbox\@outputbox}%
14588            \vskip\stripsep
14589            \vrule height\the\jua@ht width 0pt depth 0pt
14590            \vskip\stripsep
14591          }%
14592          \global\c@addvipersep\m@addvipersep
14593        \else
14594          \global\setbox\@rightcolumn\ vbox{%
14595            \unvbox\@rightcolumn
14596            \vrule height\the\jua@ht width 0pt depth 0pt
14597            \vskip\stripsep
14598          }%
14599        \fi
14600      \ifnum\jua@sk>0
14601        \remove@strip\jua@sar
14602        \global\@colht\the\jua@pr
14603        \global\advance\@colht by-\ht\@rightcolumn
14604        \global\advance\@colht by\cor@height
14605        \global\cor@height=0pt
14606      \else
14607        \global\advance\c@colht by-\ht\@rightcolumn
14608        \global\@colht\c@colht
14609      \fi
14610    \else
14611      \global\@firstcolumntrue
14612      \global\setbox\@outputbox\ vbox to\ht\@leftcolumn{%
14613        \unvbox\@rightcolumn
14614        \vskip\c@addvipersep
14615        \unvbox\@outputbox
14616      }%
14617      \setbox\@outputbox\ vbox {%
14618        \hb@xt@\textwidth {%
14619          \hskip \columnwidth
14620          \hfil
14621          \vrule \@width\columnseprule
14622          \hfil
14623          \hb@xt@\columnwidth {%

```



```

14624         \bidi@firstcolumn@status@write%
14625         \box\@leftcolumn \hss}%
14626         \hskip-\textwidth
14627         \hb@xt@\columnwidth {%
14628         \bidi@lastcolumn@status@write%
14629         \box\@outputbox \hss}%
14630         \hskip\columnwidth
14631         \hskip\columnsep}%
14632         }%
14633     \@combinedblfloats
14634     \@setmarks
14635     \@outputpage
14636     \begingroup
14637         \@dblfloatplacement
14638         \@startdblcolumn
14639         \@whiles\if@fcolmade \fi
14640         {\@outputpage
14641         \@startdblcolumn}%
14642     \endgroup
14643     \global\jua@sk=0\global\jua@sar={}
14644     \global\cor@height\z@\global\c@advipersep\z@
14645     \fi
14646 \fi
14647 }
14648
14649
14650 \def\LTR@outputdblcol{%
14651     \if@firstcolumn
14652         \global \@firstcolumnfalse
14653         \global\setbox\@leftcolumn\copy\@outputbox
14654         \splitmaxdepth\maxdimen
14655         \vbadness\maxdimen
14656         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14657         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14658         \toks@\expandafter{\topmark}%
14659         \xdef\@firstcoltopmark{\the\toks@}%
14660         \toks@\expandafter{\splitfirstmark}%
14661         \xdef\@firstcolfirstmark{\the\toks@}%
14662         \ifx\@firstcolfirstmark\@empty
14663             \global\let\@setmarks\relax
14664         \else
14665             \gdef\@setmarks{%
14666                 \let\firstmark\@firstcolfirstmark
14667                 \let\topmark\@firstcoltopmark}%
14668         \fi
14669         \global\c@colht\@colht\global\c@advipersep\z@
14670         \ifnum\jua@sk>0
14671             \remove@strip\jua@sar
14672             \global\@colht\the\jua@pr
14673             \ifdim\right@cor>\z@
14674                 \global\advance\@colht by\right@cor
14675             \fi
14676             \global\advance\@colht by\cor@height
14677             \global\cor@height=0pt
14678         \fi
14679         \global \setbox\@rightcolumn \vbox{}%
14680     \else

```



```

14681 \ifdim\c@colht>\@colht
14682 \@tempdima\@colht
14683 \ifdim\@colht>\z@
14684 \global\setbox\@rightcolumn \vbox{%
14685 \unvbox\@rightcolumn
14686 \vbox to\@tempdima{%
14687 \vskip\c@addvipersep\unvbox\@outputbox}%
14688 \vskip\stripsep
14689 \vrule height\the\jua@ht width Opt depth Opt
14690 \vskip\stripsep
14691 }%
14692 \global\c@addvipersep\m@addvipersep
14693 \else
14694 \global\setbox\@rightcolumn \vbox{%
14695 \unvbox\@rightcolumn
14696 \vrule height\the\jua@ht width Opt depth Opt
14697 \vskip\stripsep
14698 }%
14699 \fi
14700 \ifnum\jua@sk>0
14701 \remove@strip\jua@sar
14702 \global\@colht\the\jua@pr
14703 \global\advance\@colht by -\ht\@rightcolumn
14704 \global\advance\@colht by\cor@height
14705 \global\cor@height=0pt
14706 \else
14707 \global\advance\c@colht by-\ht\@rightcolumn
14708 \global\@colht\c@colht
14709 \fi
14710 \else
14711 \global\@firstcolumntrue
14712 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14713 \unvbox\@rightcolumn
14714 \vskip\c@addvipersep
14715 \unvbox\@outputbox
14716 }%
14717 \setbox\@outputbox \vbox {%
14718 \hb@xt@\textwidth {%
14719 \hb@xt@\columnwidth {%
14720 \bidi@firstcolumn@status@write%
14721 \box\@leftcolumn \hss}%
14722 \hfil
14723 \vrule \@width\columnseprule
14724 \hfil
14725 \hb@xt@\columnwidth {%
14726 \bidi@lastcolumn@status@write%
14727 \box\@outputbox \hss}%
14728 }%
14729 }%
14730 \@combinedblfloats
14731 \@setmarks
14732 \@outputpage
14733 \begingroup
14734 \@dblfloatplacement
14735 \@startdblcolumn
14736 \@whiles\if@fcolmade \fi
14737 {\@outputpage

```



```

14738         \@startdblcolumn}%
14739     \endgroup
14740     \global\jua@sk=0\global\jua@sar={}%
14741     \global\cor@height\z@\global\c@addvipersep\z@
14742     \fi
14743 \fi
14744 }
14745
14746
14747 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14748   \global\setbox\@viper\ vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\ vbox\bgroup
14749     \hsize\textwidth
14750     \@parboxrestore
14751     \col@number \@ne
14752     \vrule height\topskip width0pt depth0pt
14753 }
14754
14755 \def\endstrip{%
14756     \egroup\egroup
14757     \if@firstcolumn
14758         \ifdim\pagetotal>\z@
14759             \vskip\stripsep
14760             \global\ht@strip\pagegoal
14761             \global\advance\ht@strip by-\pagetotal
14762             \global\advance\ht@strip by-\stripsep
14763             \global\advance\ht@strip by-\ht\@viper
14764             \global\advance\ht@strip by-\stripsep
14765             \global\jua@ht=\ht\@viper
14766         \else
14767             \global\ht@strip\z@
14768         \fi
14769         \ifdim\ht@strip>\z@
14770             \unvbox\@viper
14771             \vskip\stripsep
14772             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14773             \global\advance\jua@sk by1
14774         \else
14775             \@latex@error{Strip needs more place!}\@ehc
14776             \if@vihproof
14777                 \framebox[\columnwidth]{??? Strip ???}%
14778             \fi
14779         \fi
14780     \else
14781         \@latex@error{Strip is used only on left column!}\@ehc
14782         \if@vihproof
14783             \framebox[\columnwidth]{??? Strip ???}%
14784         \fi
14785     \fi
14786 }

```

84 File minitoc-xetex-bidi.def

```

14787 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for XeTeX en
14788 \def\@undottedtocline#1#2#3#4#5{%
14789     \ifnum #1>\c@tocdepth\relax \else
14790         \vskip \z@ plus.2\p@
14791     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \parfillsk

```



```

14792 \parindent #2\relax\@afterindenttrue
14793 \interlinepenalty\@M
14794 \leavevmode
14795 \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}}%
14796 \hskip -\if@RTL\righskip\else\leftskip\fi
14797 #4\nobreak\hfill \nobreak
14798 \null\par}%
14799 \fi}
14800 \def\@Undottedtocline#1#2#3#4#5{%
14801 \ifnum #1>\c@tocdepth\relax \else
14802 \vskip \z@ \@plus.2\p@
14803 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \parfill
14804 \parindent #2\relax\@afterindenttrue
14805 \interlinepenalty\@M
14806 \leavevmode
14807 \@tempdima #3\relax
14808 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\
14809 {\coffefont #4}\nobreak \nobreak\null
14810 \par}%
14811 \fi}
14812 \def\@Undottedtoclinep#1#2#3#4#5{%
14813 \ifnum #1>\c@tocdepth\relax \else
14814 \vskip \z@ \@plus.2\p@
14815 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \parfill
14816 \parindent #2\relax\@afterindenttrue
14817 \interlinepenalty\@M
14818 \leavevmode
14819 \@tempdima #3\relax
14820 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\
14821 {#4}\nobreak \hfill \nobreak\null
14822 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14823 \par}%
14824 \fi}

```

85 File multicol-xetex-bidi.def

```

14825 \ProvidesFile{multicol-xetex-bidi.def}[2020-01-29 v1.2 bidi adaptations for multicol package for XeTeX]
14826 \def\page@sofar{%
14827 \process@cols\mult@rightbox
14828 {\ifvoid\count@
14829 \setbox\count@\hbox to\hsize{}}%
14830 \else
14831 \wd\count@\hsize
14832 \fi}%
14833 \count@\col@number \advance\count@\m@ne
14834 \mult@info\z@
14835 {Column spec: \the\full@width\space = indent
14836 + columns + sep =\MessageBreak
14837 \the\multicol@leftmargin\space
14838 + \the\col@number\space
14839 x \the\hsize\space
14840 + \the\count@\space
14841 x \the\columnsep
14842 }%
14843 \ifvmode\else\errmessage{Multicol Error}\fi
14844 \nointerlineskip
14845 \setbox\z@\hbox{p}\global\dimen\tw@dp\z@

```



```

14846 \moveright\multicol@leftmargin
14847 \hbox to\full@width{%
14848   \bidi@multicol@align@columns
14849   \rlap{\phantom p}%
14850 }%
14851 \prevdepth\z@
14852 \kern-\dimen\tw@
14853 \ifdim\dimen\tw@ > \mc@gridwarn
14854   \PackageWarning{multicol}%
14855     {Very deep columns!\MessageBreak
14856     Grid alignment might be broken}%
14857 \fi
14858 }
14859 \def\LTR@column@boxes{%
14860   \process@cols\mult@gfirstbox{%
14861     \ifdim\dp\count@>\dimen\tw@
14862       \global\dimen\tw@\dp\count@ \fi
14863     \mc@col@status@write
14864     \box\count@
14865     \hss{\columnseprulecolor\vrule
14866       \@width\columnseprule}\hss}%
14867   \ifdim\dp\mult@rightbox>\dimen\tw@
14868     \global\dimen\tw@\dp\mult@rightbox \fi
14869   \mc@lastcol@status@write
14870   \box\mult@rightbox
14871 }
14872
14873 \def\RTL@column@boxes{%
14874   \ifnum\col@number<\tw@
14875     \LTR@column@boxes
14876   \else
14877     \process@cols\mult@gfirstbox{%
14878       \hskip\hsize
14879       \hss{\columnseprulecolor\vrule
14880         \@width\columnseprule}\hss
14881     }%
14882     \hskip\hsize
14883     \process@cols\mult@gfirstbox{%
14884       \ifdim\dp\count@>\dimen\tw@
14885         \global\dimen\tw@\dp\count@ \fi
14886       \hskip-\hsize
14887       \mc@col@status@write
14888       \box\count@
14889       \hskip-\hsize
14890       \hskip-\columnsep
14891     }%
14892     \ifdim\dp\mult@rightbox>\dimen\tw@
14893       \global\dimen\tw@\dp\mult@rightbox \fi
14894     \hskip-\hsize
14895     \mc@lastcol@status@write
14896     \box\mult@rightbox
14897     \hskip-\hsize
14898     \hskip\full@width
14899   \fi
14900 }
14901 \newcommand\RTLmulticolcolumns
14902   {\let\bidi@multicol@align@columns

```



```

14903         \RTL@column@boxes}
14904 \newcommand\LTRmulticolcolumns
14905     {\let\bidimulticol@align@columns
14906         \LTR@column@boxes}
14907 \newcommand\bidimulticol@align@columns
14908     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14909 \bidi@AtEndPreamble{%
14910     \if@bidi@csdef{footinsv@1}{%
14911         \def\footnoterule{\kern-3\p@
14912             \hrule \@width \textwidth \kern 2.6\p@}%
14913     }{}%
14914 }
14915 \def\multicols#1{\col@number#1\relax
14916     \ifnum\col@number<\tw@
14917         \PackageWarning{multicol}%
14918             {Using ``\number\col@number'
14919             columns doesn't seem a good idea.^^J
14920             I therefore use two columns instead}%
14921         \col@number\tw@ \fi
14922     \ifnum\col@number>10
14923         \PackageError{multicol}%
14924             {Too many columns}%
14925             {Current implementation doesn't
14926             support more than 10 columns.%
14927             \MessageBreak
14928             I therefore use 10 columns instead}%
14929         \col@number10 \fi
14930     \ifx\@footnotetext\mult@footnotetext\else
14931         \let\orig@footnotetext\@footnotetext
14932         \let\@footnotetext\mult@footnotetext
14933     \fi
14934     \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14935         \let\orig@LTRfootnotetext\@LTRfootnotetext
14936         \let\@LTRfootnotetext\mult@LTRfootnotetext
14937     \fi
14938     \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14939         \let\orig@RTLfootnotetext\@RTLfootnotetext
14940         \let\@RTLfootnotetext\mult@RTLfootnotetext
14941     \fi
14942     \@ifnextchar[\mult@cols{\mult@cols[]}]
14943 \long\def\mult@footnotetext#1{\begingroup
14944     \hsize\textwidth
14945     \columnwidth\textwidth
14946     \orig@footnotetext{#1}\endgroup}
14947 \long\def\mult@LTRfootnotetext#1{\begingroup
14948     \hsize\textwidth
14949     \columnwidth\textwidth
14950     \orig@LTRfootnotetext{#1}\endgroup}
14951 \long\def\mult@RTLfootnotetext#1{\begingroup
14952     \hsize\textwidth
14953     \columnwidth\textwidth
14954     \orig@RTLfootnotetext{#1}\endgroup}
14955 \def\right@footnoterule{%
14956     \kern-3\p@
14957     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14958     \kern2.6\p@}
14959 \def\textwidth@footnoterule{\kern-3\p@

```



```

14960 \hrule \@width \textwidth \kern 2.6\p@}
14961 \def\bidileave@mult@copyins{%
14962 \advance\dimen@-\skip@bidicopyins@
14963 \advance\dimen@-\ht@bidicopyins@
14964 }
14965 \bidi@AtEndPreamble{%
14966 \if@bidi@csdef{footinsv@l}{%
14967 \def\bidileave@mult@footins@vr{%
14968 \advance\dimen@-\skip@footinsv@r
14969 \advance\dimen@-\ht@footinsv@r
14970 }%
14971 \def\bidileave@mult@footins@vl{%
14972 \advance\dimen@-\skip@footinsv@l
14973 \advance\dimen@-\ht@footinsv@l
14974 }%
14975 \def\bidi@init@mult@footinsv@r{%
14976 \multiply\count@footinsv@r\col@number
14977 \multiply\skip@footinsv@r\col@number
14978 }%
14979 \def\bidi@init@mult@footinsv@l{%
14980 \multiply\count@footinsv@l\col@number
14981 \multiply\skip@footinsv@l\col@number
14982 }%
14983 \def\bidi@reinsert@footnotesv@r{\ifvoid\footinsv@r\else
14984 \insert\footinsv@r{}\fi}%
14985 \def\bidi@reinsert@footnotesv@l{\ifvoid\footinsv@l\else
14986 \insert\footinsv@l{}\fi}%
14987 \bidi@patchcmd{\prepare@multicols}{%
14988 \reinsert@footnotes
14989 }{%
14990 \reinsert@footnotes
14991 \bidi@init@mult@footinsv@r
14992 \bidi@reinsert@footnotesv@r
14993 \bidi@init@mult@footinsv@l
14994 \bidi@reinsert@footnotesv@l
14995 }{}{}%
14996 \bidi@patchcmd{\multi@column@out}{%
14997 \ifnum \c@tracingmulticols>\thr@@
14998 }{%
14999 \ifvoid\footinsv@r
15000 \ifvoid\footinsv@l
15001 \else
15002 \PackageWarning{multicol}%
15003 {I moved some lines to
15004 the next page.\MessageBreak
15005 Footnotes on page
15006 \thepage\space might be wrong}%
15007 \fi
15008 \else
15009 \PackageWarning{multicol}%
15010 {I moved some lines to
15011 the next page.\MessageBreak
15012 Footnotes on page
15013 \thepage\space might be wrong}%
15014 \fi
15015 \ifnum \c@tracingmulticols>\thr@@
15016 }{}{}%

```




```

15017 \bidi@patchcmd{\endmulticols}{%
15018   \reinsert@footnotes
15019 }{%
15020   \reinsert@footnotes
15021   \bidi@reinsert@footnotesv@r
15022   \bidi@reinsert@footnotesv@l
15023 }{}{}%
15024 \bidi@patchcmd{\speci@ls}{%
15025   \reinsert@footnotes
15026 }{%
15027   \reinsert@footnotes
15028   \bidi@reinsert@footnotesv@r
15029   \bidi@reinsert@footnotesv@l
15030 }{}{}%
15031 \bidi@patchcmd{\speci@ls}{%
15032   \reinsert@footnotes
15033 }{%
15034   \reinsert@footnotes
15035   \bidi@reinsert@footnotesv@r
15036   \bidi@reinsert@footnotesv@l
15037 }{}{}%
15038 }{}%
15039 \bidi@patchcmd{\multi@column@out}{%
15040   \ifvbox \@kludgeins
15041 }{%
15042   \if@bidi@csdef{footinsv@l}{%
15043     \divide\skip\footinsv@r\col@number
15044     \ifvoid\footinsv@r \else
15045       \bidi@leave@mult@footins@vr
15046     \fi
15047     \divide\skip\footinsv@l\col@number
15048     \ifvoid\footinsv@l \else
15049       \bidi@leave@mult@footins@vl
15050     \fi
15051   }{}%
15052   \ifvoid\@bidi@copyins@ \else
15053     \bidi@leave@mult@copyins
15054   \fi
15055   \ifvbox \@kludgeins
15056 }{}{}%
15057 }

```

86 File multienum-xetex-bidi.def

```

15058 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package for XeTeX]
15059 \renewcommand{\itemx}[1]{\parbox[t]{%
15060   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15061   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
15062 \renewcommand{\itemxx}[2]{\parbox[t]{%
15063   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15064   \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15065   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15066   \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
15067 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15068   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15069   \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15070   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%

```



```

15071 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
15072 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15073 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
15074 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
15075 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15076 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15077 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15078 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #2}\hfill%
15079 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15080 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\hfill%
15081 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15082 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #4}\smallskip}
15083 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
15084 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15085 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
15086 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15087 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
15088 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15089 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
15090 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15091 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
15092 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15093 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
15094 \renewcommand{\itemxox}[2]{\parbox[t]{%
15095 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15096 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15097 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15098 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15099 \renewcommand{\itemxox}[2]{\parbox[t]{%
15100 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15101 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
15102 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15103 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
15104 \renewcommand{\itemxox}[3]{\parbox[t]{%
15105 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15106 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15107 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15108 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #2}\hfill%
15109 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15110 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
15111 \renewcommand{\itemxox}[3]{\parbox[t]{%
15112 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15113 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
15114 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15115 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
15116 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15117 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
15118 \renewcommand{\itemxox}[3]{\parbox[t]{%
15119 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15120 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
15121 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15122 \parbox[t]{.25\remainxxx}{\bidi@raggedright #2}\hfill%
15123 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15124 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

87 File natbib-xetex-bidi.def



```

15125 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for XeTeX engi
15126 \renewenvironment{thebibliography}[1]{%
15127 \bibsection
15128 \parindent\z@
15129 \bibpreamble
15130 \bibfont
15131 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15132 \bidi@thebibliography@font@hook%
15133 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15134 \ifNAT@openbib
15135 \renewcommand\newblock{\par}%
15136 \else
15137 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15138 \fi
15139 \sloppy\clubpenalty4000\widowpenalty4000
15140 \sfcode`\.\@m
15141 \let\NAT@bibitem@first@sw\@firstoftwo
15142 \let\citeN\cite \let\shortcite\cite
15143 \let\citeasnoun\cite
15144 }{%
15145 \bibitem@fin
15146 \bibpostamble
15147 \def\@noitemerr{%
15148 \PackageWarning{natbib}{Empty `thebibliography' environment}%
15149 }%
15150 \endlist
15151 \bibcleanup
15152 }%

```

88 File newfloat-xetex-bidi.def

```

15153 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for XeTeX
15154 \renewcommand*\newfloat@setwithin[2]{%
15155 \ifcsname c@chapter\endcsname
15156 \@removefromreset{#1}{chapter}%
15157 \fi
15158 \@removefromreset{#1}{section}%
15159 \edef\@tempa{#2}%
15160 \ifx\@tempa\empty
15161 \def\@tempa{none}%
15162 \fi
15163 \def\@tempb{none}%
15164 \ifx\@tempa\@tempb
15165 \ifcsname c@chapter\endcsname
15166 \@chapterlistsgap@off{#1}%
15167 \fi
15168 \newfloat@@setwithin{#1}{-}{-}%
15169 \else
15170 \def\@tempb{chapter}%
15171 \ifx\@tempa\@tempb
15172 \@addtoreset{#1}{chapter}%
15173 \@chapterlistsgap@on{#1}%
15174 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
15175 \else
15176 \def\@tempb{section}%
15177 \ifx\@tempa\@tempb
15178 \@addtoreset{#1}{section}%

```



```

15179 \ifcsname c@chapter\endcsname
15180 \addtoreset{#1}{chapter}%
15181 \chapterlistsgap@on{#1}%
15182 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15183 \else
15184 \newfloat@@setwithin{#1}{\ifnum\c@section>z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
15185 \fi
15186 \else
15187 \newfloat@Error{Invalid value `#2' for option `within'}%
15188 \fi
15189 \fi
15190 \fi}

```

89 File ntheorem-xetex-bidi.def

```

15191 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for XeTeX]
15192 \gdef\@thm#1#2#3{%
15193 \if@thmmarks
15194 \stepcounter{end\InTheoType ctr}%
15195 \fi
15196 \renewcommand{\InTheoType}{#1}%
15197 \if@thmmarks
15198 \stepcounter{curr#1ctr}%
15199 \setcounter{end#1ctr}{0}%
15200 \fi
15201 \refstepcounter{#2}%
15202 \theorem@prework
15203 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15204 \ifvmode \advance\thm@topsepadd\partopsep\fi
15205 \trivlist
15206 \@topsep \theorempreskipamount
15207 \@topsepadd \thm@topsepadd % used by \@endparenv
15208 \advance\linewidth -\theorem@indent
15209 \advance\totalleftmargin \theorem@indent
15210 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \totalleftmargin \linewidth\fi
15211 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

90 File ntheorem-hyper-xetex-bidi.def

```

15212 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper package]
15213 \gdef\@thm#1#2#3{%
15214 \if@thmmarks
15215 \stepcounter{end\InTheoType ctr}%
15216 \fi
15217 \renewcommand{\InTheoType}{#1}%
15218 \if@thmmarks
15219 \stepcounter{curr#1ctr}%
15220 \setcounter{end#1ctr}{0}%
15221 \fi
15222 \refstepcounter{#2}%
15223 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15224 \ifvmode \advance\thm@topsepadd\partopsep\fi
15225 \trivlist
15226 \@topsep \theorempreskipamount
15227 \@topsepadd \thm@topsepadd % used by \@endparenv
15228 \advance\linewidth -\theorem@indent
15229 \advance\totalleftmargin \theorem@indent

```



```

15230 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15231 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

91 File overpic-xetex-bidi.def

```

15232 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for XeTeX en
15233 \renewenvironment{overpic}[2] []{%
15234 \sbox{\z@}{\includegraphics[#1]{#2}}%
15235 \settodepth{\@tempcnta}{\usebox{\z@}}%
15236 \settoheight{\@tempcntb}{\usebox{\z@}}%
15237 \advance\@tempcntb\@tempcnta%
15238 \settowidth{\@tempcnta}{\usebox{\z@}}%
15239 \setlength{\@tempdima}{\unitlength}%
15240 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
15241 %
15242 \OVP@calc%
15243 %
15244 \begin{picture}(\@tempcnta,\@tempcntb)%
15245 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
15246 \ifGin@grid%
15247 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15248 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15249 \fi\fi%
15250 % reset the graphics parameter
15251 \let\Gin@outer@scalex\relax
15252 \let\Gin@outer@scaley\relax
15253 \let\Gin@angle\relax
15254 \let\Gin@ewidth\Gin@exclamation
15255 \let\Gin@eheight\Gin@ewidth
15256 \def\Gin@scalex{1}
15257 \let\Gin@scaley\Gin@exclamation
15258 }{%
15259 \if@RTL\ifGin@grid%
15260 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15261 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15262 \fi%
15263 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15264 \end{picture}%
15265 }%

```

92 File pdfbase-xetex-bidi.def

```

15266 \ProvidesFile{pdfbase-xetex-bidi.def}[2020/01/28 v0.3 bidi adaptations for pdfbase package for XeTeX en
15267 \ExplSyntaxOn
15268 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15269 \cs_set_nopar:Npn\@outputpage{
15270 \int_gincr:N\g_pbs_page_int
15271 \iow_now:Nx\mainaux{
15272 \token_to_str:N\pbs@newkey{\pbs@last@page}{\int_use:N\g_pbs_page_int}
15273 }
15274 \box_if_vertical:cTF{\@outputbox}{
15275 \bool_set_true:N\l_pbs_is_vertical_bool
15276 }{
15277 \bool_set_false:N\l_pbs_is_vertical_bool
15278 }
15279 \hbox_set:Nn\@outputbox{
15280 %begin of page

```



```

15281 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15282 \box_use_drop:N\@outputbox
15283 %end of page
15284 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15285 }
15286 \bool_if:NT\l_pbs_is_vertical_bool{
15287 \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
15288 }
15289 \pbs_outputpage_orig:
15290 }
15291 \ExplSyntaxOff

```

93 File pdfpages-xetex-bidi.def

```

15292 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for XeTeX]
15293 \renewcommand*{\includepdf}[2][{}]{%
15294 \begingroup
15295 \RTLfalse
15296 \let\AM@threadname\relax
15297 \AM@split@options{pdfpages}{#1}%
15298 \edef\AM@temp{\pdfpages}\the\@temptokena}%
15299 \expandafter\setkeys\AM@temp
15300 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15301 \let\AM@currentdocname\relax
15302 \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
15303 \def\AM@pagecount{0}%
15304 }{%
15305 \AM@findfile{#2}%
15306 \if\AM@threadname\relax
15307 \def\AM@threadname{\AM@currentdocname}%
15308 \fi
15309 }%
15310 \ifAM@survey
15311 \def\AM@pagestemp{}%
15312 \@tempcnta=0
15313 \def\foo{%
15314 \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15315 {\let\foo\relax}
15316 {\expandafter\ifx\expandafter\\AM@pagestemp\\
15317 \edef\AM@pagestemp{%
15318 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15319 \else
15320 \edef\AM@pagestemp{\AM@pagestemp,%
15321 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15322 \fi
15323 \advance\@tempcnta 1\relax
15324 }%
15325 \foo
15326 }%
15327 \foo
15328 \expandafter\ifx\expandafter\\AM@pagestemp\\
15329 \def\AM@pagestemp{1}%
15330 \fi
15331 \fi
15332 \ifAM@output
15333 \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15334 \AM@output{#1}%

```



```

15335 \fi
15336 \AM@CheckAtEnd
15337 \endgroup
15338 \AM@ClearShipoutPicture
15339 }

```

94 File pgfcorescopes.code-xetex-bidi.def

```

15340 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf package for X
15341 \def\pgfpicture{%
15342 \begingroup%
15343 \ifmmode\else\@RTLfalse\beginL\fi%
15344 \pgfpicturetrue%
15345 \global\advance\pgf@picture@serial@count by1\relax%
15346 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
15347 \let\pgf@nodecallback=\pgfutil@gobble%
15348 \pgf@picmaxx=-16000pt\relax%
15349 \pgf@picminx=16000pt\relax%
15350 \pgf@picmaxy=-16000pt\relax%
15351 \pgf@picminy=16000pt\relax%
15352 \pgf@relevantforpicturesizetrue%
15353 \pgf@resetpathsizes%
15354 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
15355 \def\endpgfpicture{%
15356 \ifpgfrememberpicturepositiononpage%
15357 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15358 \fi%
15359 % ok, now let's position the box
15360 \ifdim\pgf@picmaxx=-16000pt\relax%
15361 % empty picture. make size 0.
15362 \global\pgf@picmaxx=0pt\relax%
15363 \global\pgf@picminx=0pt\relax%
15364 \global\pgf@picmaxy=0pt\relax%
15365 \global\pgf@picminy=0pt\relax%
15366 \fi%
15367 % Shift baseline outside:
15368 \pgf@relevantforpicturesizefalse%
15369 \pgf@process{\pgf@baseline}%
15370 \xdef\pgf@shift@baseline{\the\pgf@y}%
15371 %
15372 \pgf@process{\pgf@trimleft}%
15373 \global\advance\pgf@x by-\pgf@picminx
15374 % prepare \hskip\pgf@trimleft@final.
15375 % note that \pgf@trimleft@final is also queried
15376 % by the pgf image externalization.
15377 \xdef\pgf@trimleft@final{-\the\pgf@x}%
15378 %
15379 \pgf@process{\pgf@trimright}%
15380 \global\advance\pgf@x by-\pgf@picmaxx
15381 % prepare \hskip\pgf@trimright@final.
15382 % note that \pgf@trimright@final is also queried
15383 % by the pgf image externalization.
15384 \xdef\pgf@trimright@final{\the\pgf@x}%
15385 %
15386 \pgf@remember@layerlist@globally
15387 \endgroup%
15388 \hss%

```



```

15389      \egroup%
15390      \pgf@restore@layerlist@from@global
15391      \pgf@insertlayers%
15392      \endgroup%
15393      \pgfsys@discardpath%
15394      \endgroup%
15395      \pgfsys@endscope%
15396      \pgfsys@endpicture%
15397      \endgroup%
15398      \hss
15399      \egroup%
15400      \pgfsys@typesetpicturebox\pgfpic%
15401      \ifmode\else\endL\fi%
15402      \endgroup%
15403 }

```

95 File picinpar-xetex-bidi.def

```

15404 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for XeTeX]
15405 \long\def\@makewincaption#1#2{%
15406   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15407   \ifdim\wd\@tempboxa>\picwd
15408     {\footnotesize{\bf #1:\enspace}{#2\par}}
15409   \else
15410     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15411   \fi}
15412 \def\endwindow{%
15413   \global\tcd=\tcdsav
15414   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15415   \vbadness=10000
15416   \splittopskip=0pt
15417 %
15418 % Typeset the lines above the window
15419 %
15420 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15421 \tcn=\tcd
15422 \loop\advance\tcn -1
15423 \setbox\fslice=\vsplit\holder to\baselineskip
15424 \prune\fslice\linewidth
15425 \topheight=0pt
15426 \ifnum\dp\fslice>\dp\wstrutbox
15427   \advance\topheight-\dp\fslice
15428   \advance\topheight\dp\wstrutbox
15429   \advance\topheight\ilg\fi
15430 \hbox to\linewidth{\box\fslice}
15431 \vskip-\topheight
15432 \ifdim\ht\holder>0pt\repeat
15433 \fi
15434 %
15435 % Now we build the boxes beside the window
15436 %
15437 \global\topheight=\tcl\baselineskip
15438 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15439   \global\topheight=\vpic
15440 \fi
15441 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15442 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight

```




```

15443 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15444 \tcn=\tcl \na=0 \nb=0
15445 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15446 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15447 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15448 \ifnum\na=0\ifnum\nb=0
15449     \setbox\waslice=\vbox to\vpic{\vss}
15450     \setbox\wbslice=\vbox to\vpic{\vss}
15451     \bl=1\br=1
15452     \vskip\ilg
15453 \fi\fi
15454 %
15455 % both sides
15456 %
15457 \ifnum\na>0 \ifnum\nb>0
15458 \loop\advance\nb -1
15459 \advance\na -1
15460 \if@RTL%
15461 \setbox\bslice=\vsplit\holder to\baselineskip
15462 \prune\bslice\rtside
15463 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15464 to\rtside{\box\bslice\hfil}}
15465 \setbox\aslice=\vsplit\holder to\baselineskip
15466 \prune\aslice\lftside
15467 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15468 to\lftside{\box\aslice\hfil}}
15469 \else%
15470 \setbox\aslice=\vsplit\holder to\baselineskip
15471 \prune\aslice\lftside
15472 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15473 to\lftside{\box\aslice\hfil}}
15474 \setbox\bslice=\vsplit\holder to\baselineskip
15475 \prune\bslice\rtside
15476 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15477 to\rtside{\box\bslice\hfil}}
15478 \fi%
15479 \ifnum\nb>0\repeat
15480 \fi\fi
15481 %
15482 % only text on the left side
15483 %
15484 \ifnum\na>0
15485     \loop\advance\na -1
15486     \setbox\aslice=\vsplit\holder to\baselineskip
15487     \prune\aslice\lftside
15488     \setbox\waslice=\vbox{\unvbox\waslice\hbox
15489 to\lftside{\box\aslice\hfil}}
15490     \ifdim\ht\holder>0pt\repeat
15491 \fi
15492 %
15493 % only text on the right side
15494 %
15495 \ifnum\nb>0
15496     \loop\advance\nb -1
15497     \setbox\bslice=\vsplit\holder to\baselineskip
15498     \prune\bslice\rtside
15499     \setbox\wbslice=\vbox{\unvbox\wbslice\hbox

```



```

15500     to\rtside{\box\bslice\hfil}}
15501     \ifdim\ht\holder>0pt\repeat
15502 \fi
15503 %
15504 % fixing the dimensions of the window part
15505 %
15506 \ifnum\bl=0\topheight=\ht\wbslice
15507 \else\ifnum\br=0\topheight=\ht\waslice
15508     \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15509     \else\topheight=\ht\wbslice\fi\fi\fi
15510 %
15511 % ship out the window material to the main vertical list
15512 %
15513 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15514 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15515 \fi\fi\fi
15516 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15517 \ifnum\bl>0\box\waslice\hfill\fi%
15518 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15519 \vfill\unvbox\picbox%
15520 \ifnum\picwd>0\vfill\fi%
15521 \vss}}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15522 \unvbox>windowbox%
15523 \loop
15524 \setbox\bslice=\vsplit\rawtext to\baselineskip
15525 \prune\bslice\linewidth
15526 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15527 \unvbox\wbslice
15528 \ifdim\ht\rawtext>0pt
15529 \repeat
15530 }% FINITO

```

96 File plain-xetex-bidi.def

```

15531 \def\TeXeTOn{\TeXeTstate=1 }
15532 \def\TeXeTOff{\TeXeTstate=0 }
15533 \TeXeTOn
15534 \def\usebox#1{\leavevmode\copy #1\relax}
15535 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@\fi}}
15536 \let\bidi@o@everypar=\everypar
15537 \newtoks\bidi@n@everypar
15538 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15539 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15540 \let\everypar=\bidi@n@everypar
15541 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15542 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15543 \protected\def\hboxR{\hbox\bgroup
15544 \everyhbox{%
15545 \aftergroup\egroup
15546 \everyhbox{}}%
15547 \beginR
15548 \@hboxRconstructtrue
15549 \bgroup
15550 \aftergroup\endR
15551 \aftergroup\egroup
15552 }\hbox}
15553 \protected\def\hboxL{\hbox\bgroup

```



```

15554 \everyhbox{%
15555 \aftergroup\egroup
15556 \everyhbox{}}%
15557 \beginL
15558 \@hboxRconstructfalse
15559 \bgroup
15560 \aftergroup\endL
15561 \aftergroup\egroup
15562 }\hbox}
15563 \protected\def\vboxR{\vbox\bgroup
15564 \everyvbox{%
15565 \aftergroup\egroup
15566 \everyvbox{}}%
15567 \@RTLtrue
15568 \bgroup
15569 \aftergroup\egroup
15570 }\vbox}
15571 \protected\def\vboxL{\vbox\bgroup
15572 \everyvbox{%
15573 \aftergroup\egroup
15574 \everyvbox{}}%
15575 \@RTLfalse
15576 \bgroup
15577 \aftergroup\egroup
15578 }\vbox}
15579 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15580 \def\endLTR{\par}
15581 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15582 \def\endRTL{\par}
15583 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15584 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15585 \let\unsetRTL=\setLTR
15586 \let\unsetLTR=\setRTL
15587 \let\LR=\LRE
15588 \let\RL=\RLE
15589 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15590 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15591 \let\@ensure@RL=\@ensure@RTL
15592 \let\@ensure@LR=\@ensure@LTR
15593 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15594 \let\@ensure@maindir=\@ensure@dir
15595 \def\@RTL{RTL}
15596 \def\@LTR{LTR}
15597 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
15598 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
15599 \let\@TeX\TeX
15600 \def\TeX{\@ensure@LTR{\@TeX}}
15601 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
15602 \dimen@=\dp\cclv \unvbox\cclv % open up \box255
15603 \ifvoid\footins\else % footnote info is present
15604 \vskip\skip\footins
15605 \footnoterule
15606 \unvbox\footins\fi
15607 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
15608 \ifvoid\@bidi@copyins@
15609 \else
15610 \vskip\skip\@bidi@copyins@

```



```

15611 \unvbox\@bidi@copyins@
15612 \fi
15613 }
15614 \long\def\bidi@reflect@box#1{%
15615 \leavevmode
15616 \setbox\z@\hbox{{#1}}%
15617 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
15618 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15619 }
15620 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
15621 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15622 \let\setRL=\setRTL
15623 \let\setLR=\setLTR
15624 \let\unsetRL=\setLTR
15625 \let\bidi@samed@eqno=\eqno
15626 \let\bidi@samed@leqno=\leqno
15627 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
15628 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
15629 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15630 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15631 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

97 File pstricks-xetex-bidi.def

```

15632 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for XeTeX]
15633 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15634 \def\endpspicture{%
15635 \ifshowgrid\ifnum\showgridp@s>0
15636 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15637 \pst@killglue
15638 % \global\pst@shift=\pst@shift% in fact of the following endgroup
15639 \endgroup
15640 \egroup
15641 \ifdim\wd\pst@hbox=\z@else
15642 %\@pstrickserr{Extraneous space in the pspicture environment}%
15643 %\Type \space <return> \space to proceed.}%
15644 \fi
15645 \ht\pst@hbox=\pst@dimd
15646 \dp\pst@hbox=-\pst@dimb
15647 \setbox\pst@hbox=\hbox{%
15648 \kern-\pst@dimd
15649 % Orig version -----
15650 %\ifx\pst@tempa\@empty\else
15651 %\advance\pst@dimd-\pst@dimb
15652 %\pst@dimd=\pst@tempa\pst@dimd
15653 %\advance\pst@dimd\pst@dimb
15654 %\lower\pst@dimd
15655 %\fi
15656 %----- end Orig
15657 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15658 \advance\pst@dimd-\pst@dimb
15659 \pst@dimd=0.5\pst@dimd
15660 \else\pst@dimd-\pst@shift\fi
15661 \advance\pst@dimd\pst@dimb
15662 \lower\pst@dimd
15663 \box\pst@hbox
15664 \kern\pst@dimc}%

```



```

15665 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15666 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15667 \fboxsep=0pt
15668 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15669 \ifmmode\else\endL\fi
15670 \endgroup%
15671 \psset[pstricks]{shift=0}% reset value
15672 }

```

98 File quotchap-xetex-bidi.def

```

15673 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for XeTeX]
15674 \renewcommand{\qauthor}[1]{%
15675   \par\smallskip
15676   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
15677 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15678   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15679     {\chapnumfont
15680       \ifnum \c@secnumdepth >\m@ne%
15681         \if@mainmatter\thechapter%
15682         \fi\fi
15683       \par\nobreak}%
15684     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em\interline
15685     \nobreak\chapterheadendvskip}}
15686 \renewcommand*{\@iprintcites}{%
15687   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15688   \global\let\@printcites\relax}

```

99 File ragged2e-xetex-bidi.def

```

15689 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package for XeTeX]
15690 \renewcommand{\Centering}{%
15691   \ifx\\ \@raggedtwoe@savedcr
15692     \let\\ \@centercr
15693   \fi
15694   \let\@newline\@raggedtwoe@gnewline
15695   \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
15696   \@rightskip\CenteringRightskip
15697   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15698   \parfillskip\CenteringParfillskip
15699   \parindent\CenteringParindent
15700   \@raggedtwoe@spaceskiptrue
15701   \@raggedtwoe@everyselectfont
15702 }
15703 \renewcommand{\RaggedLeft}{%
15704   \ifx\\ \@raggedtwoe@savedcr
15705     \let\\ \@centercr
15706   \fi
15707   \let\@newline\@raggedtwoe@gnewline
15708   \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
15709   \@rightskip\RaggedLeftRightskip
15710   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15711   \parfillskip\RaggedLeftParfillskip
15712   \parindent\RaggedLeftParindent
15713   \@raggedtwoe@spaceskiptrue
15714   \@raggedtwoe@everyselectfont
15715 }

```



```

15716 \renewcommand{\RaggedRight}{%
15717   \ifx\\ \@raggedtwoe@savedcr
15718     \let\\ \@centercr
15719   \fi
15720   \let\@newline\@raggedtwoe@newline
15721   \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
15722   \@rightskip\RaggedRightRightskip
15723   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15724   \parfillskip\RaggedRightParfillskip
15725   \parindent\RaggedRightParindent
15726   \@raggedtwoe@spaceskiptrue
15727   \@raggedtwoe@everyselectfont
15728 }
15729 \renewcommand{\justifying}{%
15730   \let\\ \@raggedtwoe@savedcr
15731   \let\@newline\@raggedtwoe@saved@newline
15732   \if@RTL\rightskip\else\leftskip\fi\z@
15733   \@rightskip\z@
15734   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15735   \parfillskip\JustifyingParfillskip
15736   \parindent\JustifyingParindent
15737   \@raggedtwoe@spaceskipfalse
15738   \@raggedtwoe@everyselectfont
15739 }
15740 \def\@raggedtwoe@raggedrightboxes@opt{%
15741   \renewcommand{\arrayparboxrestore}{%
15742     \let\if@nobreak\iffalse
15743     \let\if@noskipsec\iffalse
15744     \let\par\@par
15745     \let\-\@dischyph
15746     \let'\@acci\let\` \@accii\let\=\@acciii
15747     \parskip\z@skip
15748     \everypar{}%
15749     \linewidth\hsize
15750     \@totalleftmargin\z@
15751     \if@RTL
15752       \RaggedLeft
15753     \else
15754       \RaggedRight
15755     \fi
15756     \lineskip\normallineskip
15757     \baselineskip\normalbaselineskip
15758     \sloppy}%
15759   \let\@raggedtwoe@raggedrightboxes@opt\relax
15760 }
15761 \def\@raggedtwoe@document@opt{%
15762   \AtBeginDocument{\@raggedtwoe@abdhook}%
15763   \@raggedtwoe@raggedrightboxes@opt
15764   \@raggedtwoe@footmisctrue
15765   \let\@raggedtwoe@document@opt\relax
15766 }
15767 \def\@raggedtwoe@abdhook{%
15768   \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
15769     right to left documents and '\string\RaggedRight' for left
15770     to right documents}%
15771   \if@RTL
15772     \RaggedLeft

```



```

15773 \else
15774 \RaggedRight
15775 \fi
15776 \@ifundefined{@tocrmarg}{\edef@tocrmarg{\@tocrmarg plus 2em}}%
15777 \let@raggedtwoe@abdhook\relax
15778 }
15779 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
15780 \@raggedtwoe@raggedrightboxes@opt
15781 }{}
15782 \@ifpackagewith{ragged2e}{document}{%
15783 \@raggedtwoe@document@opt
15784 }{}
15785 \let\origin@RaggedLeft=\RaggedLeft
15786 \let\origin@RaggedRight=\RaggedRight
15787 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15788 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

100 File rapport1-xetex-bidi.def

```

15789 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for XeTeX en
15790 \renewenvironment{theindex}{%
15791 \if@twocolumn
15792 \@restonecolfalse
15793 \else
15794 \@restonecoltrue
15795 \fi
15796 \columnseprule \z@
15797 \columnsep 35\p@
15798 \twocolumn[\@makeschapterhead{\indexname}]%
15799 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15800 \thispagestyle{plain}\parindent\z@
15801 \parskip\z@ \@plus .3\p@\relax
15802 \let\item\@idxitem
15803 }{%
15804 \if@restonecol\onecolumn\else\clearpage\fi}
15805 \renewcommand*{head@style}{%
15806 \interlinepenalty \@M
15807 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15808 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15809 \if@titlepage
15810 \renewenvironment{abstract}{%
15811 \titlepage
15812 \null\vfil
15813 \section*{\SectFont\abstractname}%
15814 \noindent\ignorespaces}
15815 {\par\vfil\null\endtitlepage}
15816 \else
15817 \renewenvironment{abstract}{%
15818 \if@twocolumn
15819 \section*{\abstractname}%
15820 \else
15821 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15822 \section*{\small\SectFont\abstractname}%
15823 \noindent\ignorespaces
15824 \fi}
15825 {\if@twocolumn\else\par\egroup\fi}
15826 \fi

```



```

15827 \renewcommand*\@regtocline[3]{%
15828   \ifnum #1>\c@tocdepth
15829   \else
15830     \vskip\z@ \@plus.2\p@
15831     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
15832      \if@RTL\rightskip\else\leftskip\fi\unitindent
15833      \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
15834      \parfillskip\z@
15835      \@tempdima\unitindent
15836      \parindent\z@
15837      \leavevmode
15838      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15839      \hskip 1em \nobreak{\slshape #3}\par
15840     }%
15841   \fi}
15842 \if@oldtoc
15843 \renewcommand*\l@part[2]{%
15844   \ifnum \c@tocdepth >-2\relax
15845     \addpenalty{-\@highpenalty}%
15846     \addvspace{2.25em \@plus\p@}%
15847     \begingroup
15848       \setlength\@tempdima{3em}%
15849       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15850       \parfillskip -\@pnumwidth
15851       {\leavevmode
15852        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15853        \nobreak
15854        \global\@nobreaktrue
15855        \everypar{\global\@nobreakfalse\everypar{}}%
15856      \endgroup
15857   \fi}
15858 \else
15859   \renewcommand*\l@part{%
15860     \ifnum \c@tocdepth >-2\relax
15861       \addpenalty{-\@highpenalty}%
15862       \addvspace{2.25em \@plus\p@}%
15863       \@regtocline{0}%
15864     \fi}
15865 \fi
15866 \if@oldtoc
15867 \renewcommand*\l@chapter[2]{%
15868   \addpenalty{-\@highpenalty}%
15869   \vskip 1.0em \@plus\p@
15870   \setlength\@tempdima{1.5em}%
15871   \begingroup
15872     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15873     \parfillskip -\@pnumwidth
15874     \leavevmode \bfseries
15875     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15876     \hskip -\if@RTL\rightskip\else\leftskip\fi
15877     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15878     \penalty\@highpenalty
15879   \endgroup}
15880 \else
15881   \renewcommand*\l@chapter{\@regtocline{0}}
15882 \fi
15883 \renewcommand*\left@footnoterule{%

```




```

15884 \kern-3\p@
15885 \kern.5\baselineskip
15886 \hrule\@width\unitindent
15887 \kern.4\baselineskip
15888 }
15889 \renewcommand*\right@footnoterule{%
15890 \kern-3\p@
15891 \kern.5\baselineskip
15892 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15893 \kern.4\baselineskip}
15894 \renewenvironment{thebibliography}[1]
15895 {\chapter*{\bibname}%
15896 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15897 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15898 \bidi@thebibliography@font@hook%
15899 \list{\@biblabel{\@arabic\c@enumiv}}%
15900 {\settowidth\labelwidth{\@biblabel{#1}}%
15901 \leftmargin\labelwidth
15902 \advance\leftmargin\labelsep
15903 \openbib@code
15904 \usecounter{enumiv}%
15905 \let\p@enumiv\@empty
15906 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15907 \sloppy\clubpenalty4000\widowpenalty4000%
15908 \sfcode`.\@m}
15909 {\def\@noitemerr
15910 {\@latex@warning{Empty `thebibliography' environment}}%
15911 \endlist}
15912 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15913 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
15914 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
15915 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
15916 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
15917 \renewcommand*\theequation{%
15918 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15919 \renewcommand*\thefigure{%
15920 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15921 \renewcommand*\thetable{%
15922 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15923 \if@titlepage
15924 \renewcommand*\TitleFont{\rmfamily}
15925 \renewcommand*\maketitle{%
15926 \begin{titlepage}%
15927 \let\footnotesize\small
15928 \let\right@footnoterule\relax
15929 \let\left@footnoterule\relax
15930 \let\textwidth\footnoterule\relax
15931 \let \footnote \thanks
15932 \long\def\@makefnintext##1{\parindent\z@
15933 \def\labelitemi{\textendash}\@revlabeltrue
15934 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15935 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15936 \if@compatibility\setcounter{page}{0}\fi
15937 \null\vfil
15938 \vskip 60\p@
15939 \begin{center}%
15940 \TitleFont

```



```

15941 {\LARGE \def\{\penalty -\@M}
15942 \if@allcaps
15943 \expandafter\uc@nothanks\@title\thanks\relax
15944 \else
15945 \@title
15946 \fi\par}%
15947 \vskip 3em%
15948 {\large
15949 \lineskip .75em \parindent\z@
15950 \begin{tabular}[t]{c}%
15951 \if@allcaps
15952 \expandafter\uc@authornothanks\@author\and\relax
15953 \else
15954 \@author
15955 \fi
15956 \end{tabular}\par}%
15957 \vskip 1.5em%
15958 {\large
15959 \if@allcaps
15960 \uppercase\expandafter{\@date}%
15961 \else
15962 \@date
15963 \fi\par}%
15964 \end{center}\par
15965 \@thanks
15966 \vfil\null
15967 \end{titlepage}%
15968 \setcounter{footnote}{0}%
15969 \global\let\thanks\relax
15970 \global\let\maketitle\relax
15971 \global\let\@thanks\@empty
15972 \global\let\@author\@empty
15973 \global\let\@title\@empty
15974 \global\let\@date\@empty
15975 \global\let\title\relax
15976 \global\let\author\relax
15977 \global\let\date\relax
15978 \global\let\and\relax
15979 }
15980 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15981 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15982 \futurelet\@tempa\uc@ax}
15983 \def\uc@ax{%
15984 \ifx\@tempa\relax
15985 \else
15986 \\\andname \\\expandafter\uc@authornothanks
15987 \fi}
15988 \def\uc@tx{\ifx\@tempa\relax
15989 \else \expandafter\uc@ty \fi}
15990 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15991 \else
15992 \renewcommand*\maketitle{\par
15993 \begingroup
15994 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15995 \def\@makefnmark{\rlap{%
15996 \@textsuperscript{\normalfont\@thefnmark}}}%
15997 \long\def\@makefntext{\@xmakefntext%

```



```

15998      \@textsuperscript{\normalfont\@thefnmark}}}%
15999      \if@twocolumn
16000        \ifnum \col@number=\@ne
16001          \@maketitle
16002        \else
16003          \twocolumn[\@maketitle]%
16004        \fi
16005      \else
16006        \newpage
16007        \global\@topnum\z@
16008        \@maketitle
16009      \fi
16010      \thispagestyle{plain}\@thanks
16011    \endgroup
16012    \setcounter{footnote}{0}%
16013    \global\let\thanks\relax
16014    \global\let\maketitle\relax
16015    \global\let\@maketitle\relax
16016    \global\let\@thanks\@empty
16017    \global\let\@author\@empty
16018    \global\let\@title\@empty
16019    \global\let\@date\@empty
16020    \global\let\title\relax
16021    \global\let\author\relax
16022    \global\let\date\relax
16023    \global\let\and\relax
16024  }
16025  \def\@maketitle{%
16026    \newpage
16027    \null
16028    \vskip 2em%
16029    \begin{center}%
16030      \let \footnote \thanks
16031      {\LARGE \TitleFont \@title \par}%
16032      \vskip 1.5em%
16033      {\large \TitleFont
16034        \lineskip .5em%
16035        \begin{tabular}[t]{c}%
16036          \@author
16037        \end{tabular}\par}%
16038      \vskip 1em%
16039      {\large \TitleFont \@date}%
16040    \end{center}%
16041    \par
16042    \vskip 1.5em}
16043  \fi

```

101 File rapport3-xetex-bidi.def

```

16044 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for XeTeX en
16045 \renewenvironment{theindex}{%
16046   \if@twocolumn
16047     \@restonecolfalse
16048   \else
16049     \@restonecoltrue
16050   \fi
16051   \columnseprule \z@

```



```

16052 \columnsep 35\p@
16053 \twocolumn[\@makeschapterhead{\indexname}]{%
16054 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
16055 \thispagestyle{plain}\parindent\z@
16056 \parskip\z@ \@plus .3\p@\relax
16057 \let\item\@idxitem
16058 }{%
16059 \if@restonecol\onecolumn\else\clearpage\fi}
16060 \if@titlepage
16061 \renewcommand*{\TitleFont}{\rmfamily}
16062 \renewcommand*{\maketitle}{%
16063 \begin{titlepage}%
16064 \let\footnotesize\small
16065 \let\right@footnoterule\relax
16066 \let\left@footnoterule\relax
16067 \let\textwidth@footnoterule\relax
16068 \let\footnote\thanks
16069 \let\LTRfootnote\LTRthanks
16070 \let\RTLfootnote\RTLthanks
16071 \long\def\@makefnmark##1{\parindent\z@
16072 \def\labelitemi{\textendash}\@revlabeltrue
16073 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16074 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16075 \if@compatibility\setcounter{page}{0}\fi
16076 \null\vfil
16077 \vskip 60\p@
16078 \begin{center}%
16079 \TitleFont
16080 {\LARGE \def\\{\penalty -\@M}
16081 \if@allcaps
16082 \expandafter\uc@nothanks\@title\thanks\relax
16083 \else
16084 \@title
16085 \fi\par}%
16086 \vskip 3em%
16087 {\large
16088 \lineskip .75em \parindent\z@
16089 \begin{tabular}[t]{c}%
16090 \if@allcaps
16091 \expandafter\uc@authornothanks\author\and\relax
16092 \else
16093 \author
16094 \fi
16095 \end{tabular}\par}%
16096 \vskip 1.5em%
16097 {\large
16098 \if@allcaps
16099 \uppercase\expandafter{\@date}%
16100 \else
16101 \@date
16102 \fi\par}%
16103 \end{center}\par
16104 \@thanks
16105 \vfil\null
16106 \end{titlepage}%
16107 \setcounter{footnote}{0}%
16108 \global\let\thanks\relax

```



```

16109 \global\let\LTRthanks\relax
16110 \global\let\RTLthanks\relax
16111 \global\let\maketitle\relax
16112 \global\let\@thanks\@empty
16113 \global\let\@author\@empty
16114 \global\let\@title\@empty
16115 \global\let\@date\@empty
16116 \global\let\title\relax
16117 \global\let\author\relax
16118 \global\let\date\relax
16119 \global\let\and\relax
16120 }
16121 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16122 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16123 \futurelet\@tempa\uc@ax}
16124 \def\uc@ax{%
16125 \ifx\@tempa\relax
16126 \else
16127 \\\andname \\\expandafter\uc@authornothanks
16128 \fi}
16129 \def\uc@tx{\ifx\@tempa\relax
16130 \else \expandafter\uc@ty \fi}
16131 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16132 \else
16133 \renewcommand*\maketitle{\par
16134 \begingroup
16135 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16136 \def\@makefnmark{\rlap{%
16137 \@textsuperscript{\normalfont\@thefnmark}}}%
16138 \long\def\@makefntext{\@xmakefntext{%
16139 \@textsuperscript{\normalfont\@thefnmark}}}%
16140 \if@twocolumn
16141 \ifnum \col@number=\@ne
16142 \@maketitle
16143 \else
16144 \twocolumn[\@maketitle]%
16145 \fi
16146 \else
16147 \newpage
16148 \global\@topnum\z@
16149 \@maketitle
16150 \fi
16151 \thispagestyle{plain}\@thanks
16152 \endgroup
16153 \setcounter{footnote}{0}%
16154 \global\let\thanks\relax
16155 \global\let\LTRthanks\relax
16156 \global\let\RTLthanks\relax
16157 \global\let\maketitle\relax
16158 \global\let\@maketitle\relax
16159 \global\let\@thanks\@empty
16160 \global\let\@author\@empty
16161 \global\let\@title\@empty
16162 \global\let\@date\@empty
16163 \global\let\title\relax
16164 \global\let\author\relax
16165 \global\let\date\relax

```



```

16166 \global\let\and\relax
16167 }
16168 \def\@maketitle{%
16169 \newpage
16170 \null
16171 \vskip 2em%
16172 \if@titlecentered
16173 \begin{center}%
16174 \let \footnote \thanks
16175 \let \LTRfootnote \LTRthanks
16176 \let \RTLfootnote \RTLthanks
16177 {\LARGE \TitleFont \@title \par}%
16178 \vskip 1.5em%
16179 {\large \TitleFont
16180 \lineskip .5em%
16181 \begin{tabular}[t]{c}%
16182 \@author
16183 \end{tabular}\par}%
16184 \vskip 1em%
16185 {\large \TitleFont \@date}%
16186 \end{center}%
16187 \else
16188 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
16189 {\large \TitleFont \lineskip .5em \tabcolsep\z@
16190 \def\and{%% \begin{tabular} has already started
16191 \end{tabular}\hskip 1em plus .17fil
16192 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular} will c
16193 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
16194 \vskip 1em {\large \TitleFont \@date}
16195 \fi
16196 \par
16197 \vskip 1.5em}
16198 \fi
16199 \renewcommand*\@regtocline[3]{%
16200 \ifnum #1>\c@tocdepth
16201 \else
16202 \vskip\z@\@plus.2\p@
16203 {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
16204 \if@RTL\righskip\else\leftskip\fi\unitindent
16205 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
16206 \parfillskip\z@
16207 \@tempdima\unitindent
16208 \parindent\z@
16209 \leavevmode
16210 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
16211 \hskip 1em \nobreak{\slshape #3}\par
16212 }%
16213 \fi}
16214 \if@oldtoc
16215 \renewcommand*\l@part[2]{%
16216 \ifnum \c@tocdepth >-2\relax
16217 \addpenalty{-\@highpenalty}%
16218 \addvspace{2.25em \@plus\p@}%
16219 \begingroup
16220 \setlength\@tempdima{3em}%
16221 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
16222 \parfillskip -\@pnumwidth

```



```

16223     {\leavevmode
16224       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16225       \nobreak
16226       \global\@nobreaktrue
16227       \everypar{\global\@nobreakfalse\everypar{}}%
16228     \endgroup
16229   \fi}
16230 \else
16231   \renewcommand*\l@part{%
16232     \ifnum \c@tocdepth >-2\relax
16233       \addpenalty{-\@highpenalty}%
16234       \addvspace{2.25em \@plus \p@}%
16235       \@regtocline{0}%
16236     \fi}
16237 \fi
16238 \if@oldtoc
16239 \renewcommand*\l@chapter[2]{%
16240   \addpenalty{-\@highpenalty}%
16241   \vskip 1.0em \@plus\p@
16242   \setlength\@tempdima{1.5em}%
16243   \begingroup
16244     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16245     \parfillskip -\@pnumwidth
16246     \leavevmode \bfseries
16247     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16248     \hskip -\if@RTL\rightskip\else\leftskip\fi
16249     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16250     \penalty\@highpenalty
16251   \endgroup}
16252 \else
16253   \renewcommand*\l@chapter{\@regtocline{0}}
16254 \fi
16255 \renewcommand*\head@style{%
16256   \interlinepenalty \@M
16257   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16258   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16259 \if@titlepage
16260   \renewenvironment{abstract}{%
16261     \titlepage
16262     \null\vfil
16263     \section*\SectFont\abstractname}%
16264     \noindent\ignorespaces}
16265     {\par\vfil\null\endtitlepage}
16266 \else
16267   \renewenvironment{abstract}{%
16268     \if@twocolumn
16269       \section*\abstractname}%
16270     \else
16271       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16272       \section*\small\SectFont\abstractname}%
16273       \noindent\ignorespaces
16274     \fi}
16275     {\if@twocolumn\else\par\egroup\fi}
16276 \fi
16277 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16278 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
16279 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}

```



```

16280 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16281 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16282 \renewcommand*\thefigure{%
16283   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16284 \renewcommand*\thetable{%
16285   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16286 \renewcommand*\theequation{%
16287   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16288 \renewenvironment{thebibliography}[1]
16289   {\chapter*{\bibname}%
16290    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16291    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16292    \bidi@thebibliography@font@hook%
16293    \list{\@biblabel{\@arabic\c@enumiv}}%
16294      {\settowidth\labelwidth{\@biblabel{#1}}%
16295       \leftmargin\labelwidth
16296       \advance\leftmargin\labelsep
16297       \@openbib@code
16298       \usecounter{enumiv}%
16299       \let\p@enumiv\@empty
16300       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16301     \sloppy\clubpenalty4000\widowpenalty4000%
16302     \sfcode`.\@m}
16303   {\def\@noitemerr
16304    {\@latex@warning{Empty `thebibliography' environment}}%
16305    \endlist}
16306 \renewcommand*\left@footnoterule{%
16307   \kern-3\p@
16308   \kern.5\baselineskip
16309   \hrule\@width\unitindent
16310   \kern.4\baselineskip
16311 }
16312 \renewcommand*\right@footnoterule{%
16313   \kern-3\p@
16314   \kern.5\baselineskip
16315   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16316   \kern.4\baselineskip}
16317 \renewcommand*\head@style{%
16318   \interlinepenalty \@M
16319   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16320   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

102 File refrep-xetex-bidi.def

```

16321 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for XeTeX engine]
16322 \if@titlepage
16323   \renewcommand\maketitle{\begin{titlepage}%
16324     \let\footnotesize\small
16325     \let\right@footnoterule\relax
16326     \let\left@footnoterule\relax
16327     \let\textwidth\footnoterule\relax
16328     \let\footnote\thanks
16329     \let\LTRfootnote\LTRthanks
16330     \let\RTLfootnote\RTLthanks
16331     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16332     \def\@makefnmark%
16333       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%

```




```

16334 \long\def\@makefntext##1{%
16335     \@setpar{\@par
16336         \@tempdima = \hsize
16337         \advance\@tempdima -1em
16338         \parshape \@ne 1em \@tempdima}%
16339     \par\parindent 1em \noindent
16340     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16341 \null\vfil
16342 \vskip 60\p@
16343 \begin{center}%
16344     {\LARGE \@title \par}%
16345     \vskip 3em%
16346     {\large
16347         \lineskip .75em%
16348         \begin{tabular}[t]{c}%
16349             \@author
16350         \end{tabular}\par}%
16351     \vskip 1.5em%
16352     {\large \@date \par}%           % Set date in \large size.
16353 \end{center}\par
16354 \@thanks
16355 \vfil\null
16356 \end{titlepage}%
16357 \setcounter{footnote}{0}%
16358 \global\let\thanks\relax
16359 \global\let\LTRthanks\relax
16360 \global\let\RTLthanks\relax
16361 \global\let\maketitle\relax
16362 \global\let\@thanks\@empty
16363 \global\let\@author\@empty
16364 \global\let\@date\@empty
16365 \global\let\@title\@empty
16366 \global\let\title\relax
16367 \global\let\author\relax
16368 \global\let\date\relax
16369 \global\let\and\relax
16370 }
16371 \else
16372 \renewcommand\maketitle{\par
16373     \begin{group
16374         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16375         \def\@makefnmark%
16376             {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16377         \long\def\@makefntext##1{%
16378             \@setpar{\@par
16379                 \@tempdima = \hsize
16380                 \advance\@tempdima -1em
16381                 \parshape \@ne 1em \@tempdima}%
16382             \par\parindent 1em \noindent
16383             \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16384         \if@twocolumn
16385             \ifnum \col@number=\@ne
16386                 \maketitle
16387             \else
16388                 \twocolumn[\@maketitle]%
16389             \fi
16390         \else

```



```

16391      \newpage
16392      \global\@topnum\z@    % Prevents figures from going at top of page.
16393      \@maketitle
16394      \fi
16395      \thispagestyle{empty}\@thanks
16396      \endgroup
16397      \setcounter{footnote}{0}%
16398      \global\let\thanks\relax
16399      \global\let\LTRthanks\relax
16400      \global\let\RTLthanks\relax
16401      \global\let\maketitle\relax
16402      \global\let\@maketitle\relax
16403      \global\let\@thanks\@empty
16404      \global\let\@author\@empty
16405      \global\let\@date\@empty
16406      \global\let\@title\@empty
16407      \global\let\title\relax
16408      \global\let\author\relax
16409      \global\let\date\relax
16410      \global\let\and\relax
16411 }
16412 \def\@maketitle{%
16413   \newpage
16414   \null
16415   \longthickrule\vskip1.5em%
16416   \let \footnote \thanks
16417   \let \LTRfootnote \LTRthanks
16418   \let \RTLfootnote \RTLthanks
16419   {\secshape \parskip\z@ \parindent\z@
16420    \Large\bfseries \@title \par}%
16421   \vskip1.5em\longthickrule\vskip1.5em%
16422   {\normalsize
16423    \lineskip .5em%
16424    \begin{flushright}%
16425      {\slshape\@author\par}
16426      \vskip 1em%
16427      {\@date}%
16428    \end{flushright}\par}%
16429   \vskip 1.5em}
16430 \fi
16431 \renewcommand*\l@part[2]{%
16432   \ifnum \c@tocdepth >-2\relax
16433     \addpenalty{-\@highpenalty}%
16434     \addvspace{2.25em \@plus\p@}%
16435     \begingroup
16436       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16437       \parfillskip -\@pnumwidth
16438       {\leavevmode
16439        \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16440       \nobreak
16441       \global\@nobreaktrue
16442       \everypar{\global\@nobreakfalse\everypar{}}%
16443     \endgroup
16444   \fi}
16445 \renewcommand*\l@chapter[2]{%
16446   \ifnum \c@tocdepth >\m@ne
16447     \addpenalty{-\@highpenalty}%

```



```

16448 \vskip 1.0em \@plus\p@
16449 \setlength\@tempdima{1.5em}%
16450 \begingroup
16451 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16452 \parfillskip -\@pnumwidth
16453 \leavevmode \bfseries
16454 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16455 \hskip -\if@RTL\rightskip\else\leftskip\fi
16456 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16457 \penalty\@highpenalty
16458 \endgroup
16459 \fi}
16460 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16461 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16462 \hyphenpenalty=2000}
16463 \renewcommand\left@footnoterule{%
16464 \kern-3\p@
16465 \hrule\@width.4\columnwidth
16466 \kern 2.6\p@}
16467 \renewcommand\right@footnoterule{%
16468 \kern-3\p@
16469 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16470 \kern2.6\p@}
16471 \renewcommand\theequation
16472 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16473 \renewcommand\thefigure
16474 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16475 \renewcommand\thetable%
16476 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16477 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16478 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
16479 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\csubsubsection}
16480 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\cparagraph}
16481 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
16482 \renewenvironment{thebibliography}[1]
16483 {\chapter*{\bibname
16484 \@mkboth{\bibname}{\bibname}}%
16485 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16486 \bidi@thebibliography@font@hook%
16487 \list{\@biblabel{\@arabic\c@enumiv}}%
16488 {\settowidth\labelwidth{\@biblabel{#1}}%
16489 \leftmargin\labelwidth
16490 \advance\leftmargin\labelsep
16491 \openbib@code
16492 \usecounter{enumiv}%
16493 \let\p@enumiv\@empty
16494 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16495 \sloppy
16496 \clubpenalty4000
16497 \@clubpenalty \clubpenalty
16498 \widowpenalty4000%
16499 \sfcode`\.=\@m}
16500 {\def\@noitemerr
16501 {\@latex@warning{Empty `thebibliography' environment}}%
16502 \endlist}

```



103 File report-xetex-bidi.def

```

16503 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class for XeT
16504 \renewenvironment{theindex}
16505     {\if@twocolumn
16506         \@restonecolfalse
16507         \else
16508             \@restonecoltrue
16509         \fi
16510         \columnseprule \z@
16511         \columnsep 35\p@
16512         \twocolumn[\@makeschapterhead{\indexname}]\%
16513         \@mkboth{\MakeUppercase\indexname}\%
16514             {\MakeUppercase\indexname}\%
16515         \thispagestyle{plain}\parindent\z@
16516         \parskip\z@ \@plus .3\p@\relax
16517         \let\item\@idxitem}
16518     {\if@restonecol\onecolumn\else\clearpage\fi}
16519 \if@titlepage
16520 \renewcommand\maketitle{\begin{titlepage}\%
16521 \let\footnotesize\small
16522 \let\right@footnoterule\relax
16523 \let\left@footnoterule\relax
16524 \let\textwidth\footnoterule\relax
16525 \let \footnote \thanks
16526 \let \LTRfootnote \LTRthanks
16527 \let \RTLfootnote \RTLthanks
16528 \null\vfil
16529 \vskip 60\p@
16530 \begin{center}\%
16531     {\LARGE \@title \par}\%
16532     \vskip 3em\%
16533     {\large
16534         \lineskip .75em\%
16535         \begin{tabular}[t]{c}\%
16536             \@author
16537             \end{tabular}\par}\%
16538         \vskip 1.5em\%
16539         {\large \@date \par}\%           % Set date in \large size.
16540 \end{center}\par
16541 \@thanks
16542 \vfil\null
16543 \end{titlepage}\%
16544 \setcounter{footnote}{0}\%
16545 \global\let\thanks\relax
16546 \global\let\LTRthanks\relax
16547 \global\let\RTLthanks\relax
16548 \global\let\maketitle\relax
16549 \global\let\@thanks\@empty
16550 \global\let\@author\@empty
16551 \global\let\@date\@empty
16552 \global\let\@title\@empty
16553 \global\let\title\relax
16554 \global\let\author\relax
16555 \global\let\date\relax
16556 \global\let\and\relax
16557 }

```



```

16558 \else
16559 \renewcommand\maketitle{\par
16560 \begin{group}
16561 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16562 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16563 \long\def\@makefntext##1{\parindent 1em\noindent
16564 \hb@xt@1.8em{%
16565 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16566 \if@twocolumn
16567 \ifnum \col@number=\@ne
16568 \maketitle
16569 \else
16570 \twocolumn[\maketitle]%
16571 \fi
16572 \else
16573 \newpage
16574 \global\topnum\z@ % Prevents figures from going at top of page.
16575 \maketitle
16576 \fi
16577 \thispagestyle{plain}\@thanks
16578 \end{group}
16579 \setcounter{footnote}{0}%
16580 \global\let\thanks\relax
16581 \global\let\LTRthanks\relax
16582 \global\let\RTLthanks\relax
16583 \global\let\maketitle\relax
16584 \global\let\@maketitle\relax
16585 \global\let\@thanks\@empty
16586 \global\let\@author\@empty
16587 \global\let\@date\@empty
16588 \global\let\@title\@empty
16589 \global\let\title\relax
16590 \global\let\author\relax
16591 \global\let\date\relax
16592 \global\let\and\relax
16593 }
16594 \def\@maketitle{%
16595 \newpage
16596 \null
16597 \vskip 2em%
16598 \begin{center}%
16599 \let \footnote \thanks
16600 \let \LTRfootnote \LTRthanks
16601 \let \RTLfootnote \RTLthanks
16602 {\LARGE \@title \par}%
16603 \vskip 1.5em%
16604 {\large
16605 \lineskip .5em%
16606 \begin{tabular}[t]{c}%
16607 \@author
16608 \end{tabular}\par}%
16609 \vskip 1em%
16610 {\large \@date}%
16611 \end{center}%
16612 \par
16613 \vskip 1.5em}
16614 \fi

```



```

16615 \renewcommand*\l@part[2]{%
16616   \ifnum \c@tocdepth >-2\relax
16617     \addpenalty{-\@highpenalty}%
16618     \addvspace{2.25em \@plus\p@}%
16619     \setlength\@tempdima{3em}%
16620     \begingroup
16621       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16622       \parfillskip -\@pnumwidth
16623       {\leavevmode
16624         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16625       \nobreak
16626       \global\@nobreaktrue
16627       \everypar{\global\@nobreakfalse\everypar{}}%
16628     \endgroup
16629   \fi}
16630 \renewcommand*\l@chapter[2]{%
16631   \ifnum \c@tocdepth >\m@ne
16632     \addpenalty{-\@highpenalty}%
16633     \vskip 1.0em \@plus\p@
16634     \setlength\@tempdima{1.5em}%
16635     \begingroup
16636       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16637       \parfillskip -\@pnumwidth
16638       \leavevmode \bfseries
16639       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16640       \hskip -\if@RTL\rightskip\else\leftskip\fi
16641       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16642       \penalty\@highpenalty
16643     \endgroup
16644   \fi}
16645 \renewcommand\left@footnoterule{%
16646   \kern-3\p@
16647   \hrule\@width.4\columnwidth
16648   \kern2.6\p@}
16649 \renewcommand\right@footnoterule{%
16650   \kern-3\p@
16651   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16652   \kern2.6\p@}
16653 \renewcommand\theequation
16654   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16655 \renewcommand \thefigure
16656   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16657 \renewcommand \thetable
16658   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16659 \renewcommand \thechapter {\@arabic\c@chapter}
16660 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16661 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16662 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16663 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16664 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16665 \def\@makechapterhead#1{%
16666   \vspace*{50\p@}%
16667   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16668     \ifnum \c@secnumdepth >\m@ne
16669       \huge\bfseries \@chapapp\space \thechapter
16670       \par\nobreak
16671       \vskip 20\p@

```



```

16672 \fi
16673 \interlinepenalty\@M
16674 \Huge \bfseries #1\par\nobreak
16675 \vskip 40\p@
16676 }}
16677 \def\@makeschapterhead#1{%
16678 \vspace*{50\p@}%
16679 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16680 \normalfont
16681 \interlinepenalty\@M
16682 \Huge \bfseries #1\par\nobreak
16683 \vskip 40\p@
16684 }}
16685 \renewenvironment{thebibliography}[1]
16686 {\chapter*{\bibname}%
16687 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16688 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16689 \bidi@thebibliography@font@hook%
16690 \list{\@biblabel{\@arabic\c@enumiv}}%
16691 {\settowidth\labelwidth{\@biblabel{#1}}%
16692 \leftmargin\labelwidth
16693 \advance\leftmargin\labelsep
16694 \@openbib@code
16695 \usecounter{enumiv}%
16696 \let\p@enumiv\@empty
16697 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16698 \sloppy
16699 \clubpenalty4000
16700 \clubpenalty \clubpenalty
16701 \widowpenalty4000%
16702 \sfcode`..\@m}
16703 {\def\@noitemerr
16704 {\@latex@warning{Empty `thebibliography' environment}}%
16705 \endlist}

```

104 File rotating-xetex-bidi.def

```

16706 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for XeTeX]
16707 \def\end@rotfloat{%
16708 \end{minipage}\end{lrbox}%
16709 \stepcounter{r@tfl@t}%
16710 \rot@label{RF\ther@tfl@t}%
16711 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16712 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16713 \rot@mess@toks\expandafter{\@tempa}
16714 \wd\rot@float@box\z@
16715 \ht\rot@float@box\z@
16716 \dp\rot@float@box\z@
16717 \vboxL to \textheight{%
16718 \setkeys{Grot}{units=360}%
16719 \if@rot@twoside
16720 \else
16721 \let\R@@page\rot@LR
16722 \fi
16723 \ifthenelse{\isodd{\R@@page}}{%
16724 \if@rot@twoside
16725 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%

```



```

16726     \fi
16727     \vfill
16728     \@@line{%
16729         \hskip\rotFPtop
16730         \rotatebox{90}{\box\rot@float@box}%
16731         \hskip\rotFPbot
16732     }%
16733 }{%
16734     \if@rot@twoside
16735         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16736     \fi
16737     \@@line{%
16738         \hskip\rotFPbot
16739         \rotatebox{-90}{\box\rot@float@box}%
16740         \hskip\rotFPtop
16741     }%
16742     \vfill
16743 }%
16744 \rot@message{\the\rot@mess@toks}
16745 }%
16746 \end@float
16747 }
16748 \let\endsidewaysfigure\end@rotfloat
16749 \let\endsidewaysstable\end@rotfloat
16750 \def\end@rotdblfloat{%
16751     \end{minipage}\end{lrbox}%
16752     \stepcounter{r@tfl@t}%
16753     \rot@label{RF\ther@tfl@t}%
16754     \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16755     \edef\@tempa{Adding sideways \@capttype\space on page \R@@page\space}
16756     \rot@mess@toks\expandafter{\@tempa}
16757     \@tempdima\ht\rot@float@box
16758     \advance\@tempdima by \dp\rot@float@box
16759     \wd\rot@float@box\z@
16760     \ht\rot@float@box\z@
16761     \dp\rot@float@box\z@
16762     \vboxL to \textheight{%
16763         \setkeys{Grot}{units=360}}%
16764     \if@rot@twoside
16765     \else
16766         \let\R@@page\rot@LR
16767     \fi
16768     \ifthenelse{\isodd{\R@@page}}{%
16769         \ifrot@messages
16770             \if@rot@twoside
16771             \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16772         \fi
16773         \fi
16774         \vfill
16775         \@@line{%
16776             \hskip\rotFPtop
16777             \rotatebox{90}{\box\rot@float@box}%
16778             \hskip\rotFPbot
16779         }%
16780     }{%
16781         \ifrot@messages
16782         \if@rot@twoside

```




```

16783 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16784 \fi
16785 \fi%
16786 \@@line{%
16787 \hskip\rotFPbot
16788 \rotatebox{-90}{\box\rot@float@box}%
16789 \hskip\rotFPtop
16790 }%
16791 \vfill
16792 }%
16793 \rot@message{\the\rot@mess@toks}%
16794 }%
16795 \end@dblfloat
16796 }
16797 \def\turn#1{%
16798 \Grot@setangle{#1}%
16799 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16800 \def\endturn{%
16801 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16802 \unskip\color@endbox
16803 \Grot@x\z@
16804 \Grot@y\z@
16805 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16806 }
16807 \def\rotate#1{%
16808 \Grot@setangle{#1}%
16809 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16810 \def\endrotate{%
16811 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16812 \unskip\color@endbox
16813 \Grot@x\z@
16814 \Grot@y\z@
16815 \wd0\z@\dp0\z@\ht0\z@
16816 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16817 }
16818 \def\turnbox#1#2{%
16819 \Grot@setangle{#1}%
16820 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi}
16821 \Grot@x\z@\Grot@y\z@
16822 \wd0\z@\dp0\z@\ht0\z@
16823 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16824 }
16825 \def\sideways{%
16826 \Grot@setangle{90}%
16827 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16828 \def\endsideways{%
16829 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16830 \unskip\color@endbox
16831 \Grot@x\z@
16832 \Grot@y\z@
16833 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16834 }

```

105 File scrartcl-xetex-bidi.def

```

16835 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for XeTeX engine]
16836 \newcommand{\scr@saved@LTRfootnotetext}{}

```



```

16837 \newcommand{\scr@saved@RTLfootnotetext}{%
16838 \let\scr@saved@footnotetext\@footnotetext
16839 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16840 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16841 \renewcommand{\@footnotetext}[1]{%
16842 \scr@saved@footnotetext{#1}%
16843 \csname FN@m@prepare\endcsname
16844 }
16845 \renewcommand{\@LTRfootnotetext}[1]{%
16846 \scr@saved@LTRfootnotetext{#1}%
16847 \csname FN@m@prepare\endcsname
16848 }
16849 \renewcommand{\@RTLfootnotetext}[1]{%
16850 \scr@saved@RTLfootnotetext{#1}%
16851 \csname FN@m@prepare\endcsname
16852 }
16853 \renewcommand\deffootnote[4][1]{%
16854 \long\def\@makefnmark#1{%
16855 \setlength{\@tempdimc}{#3}%
16856 \def\@tempa{#1}\ifx\@tempa\@empty
16857 \setpar{\@par
16858 \@tempdima = \hsize
16859 \addtolength{\@tempdima}{-#2}%
16860 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16861 \else
16862 \addtolength{\@tempdimc}{#2}%
16863 \addtolength{\@tempdimc}{-#1}%
16864 \setpar{\@par
16865 \@tempdima = \hsize
16866 \addtolength{\@tempdima}{-#1}%
16867 \@tempdimb = \hsize
16868 \addtolength{\@tempdimb}{-#2}%
16869 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdima\fi}%
16870 }%
16871 \fi
16872 \par
16873 \parindent\@tempdimc\noindent
16874 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16875 }%
16876 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16877 }
16878 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16879 \renewcommand*\left@footnoterule{%
16880 \normalsize\ftn@rule@test@values
16881 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16882 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16883 {\usekomafont{footnoterule}{%
16884 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16885 \kern 2.6\p@}
16886 \renewcommand*\right@footnoterule{%
16887 \normalsize\ftn@rule@test@values
16888 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16889 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16890 {\usekomafont{footnoterule}{%
16891 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leaders\hrule
16892 \kern 2.6\p@}
16893 \renewcommand*\maketitle[1][1]{%

```



```

16894 \if@titlepage
16895 \begin{titlepage}
16896 \setcounter{page}{%
16897 #1%
16898 }%
16899 \let\footnotesize\small
16900 \let\right@footnoterule\relax
16901 \let\left@footnoterule\relax
16902 \let\textwidth@footnoterule\relax
16903 \let\footnote\thanks
16904 \let\LTRfootnote\LTRthanks
16905 \let\RTLfootnote\RTLthanks
16906 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16907 \let\@oldmakefnmark\@makefnmark
16908 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16909 \ifx\@extratitle\@empty \else
16910 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16911 \thispagestyle{empty}%
16912 \fi
16913 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16914 \ifx\@titlehead\@empty \else
16915 \begin{minipage}[t]{\textwidth}%
16916 \@titlehead
16917 \end{minipage}\par
16918 \fi
16919 \null\vfill
16920 \begin{center}
16921 \ifx\@subject\@empty \else
16922 {\subject@font \@subject \par}%
16923 \vskip 3em
16924 \fi
16925 {\titlefont\huge \@title\par}%
16926 \vskip 1em
16927 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16928 \vskip 2em
16929 {\Large \lineskip 0.75em
16930 \begin{tabular}[t]{c}
16931 \@author
16932 \end{tabular}\par
16933 }%
16934 \vskip 1.5em
16935 {\Large \@date \par}%
16936 \vskip \z@\@plus3fill
16937 {\Large \@publishers \par}%
16938 \vskip 3em
16939 \end{center}\par
16940 \@thanks
16941 \vfill\null
16942 \if@twoside\next@tpage
16943 \begin{minipage}[t]{\textwidth}
16944 \@uppertitleback
16945 \end{minipage}\par
16946 \vfill
16947 \begin{minipage}[b]{\textwidth}
16948 \@lowertitleback
16949 \end{minipage}
16950 \fi

```



```

16951 \ifx\@dedication\@empty \else
16952 \next@tpage\null\vfill
16953 {\centering \Large \@dedication \par}%
16954 \vskip \z@ \@plus3fill
16955 \if@twoside \next@tpage\cleardoubleemptypage \fi
16956 \fi
16957 \end{titlepage}
16958 \else
16959 \par
16960 \@tempcnta=
16961 #1%
16962 \relax\ifnum\@tempcnta=1\else
16963 \ClassWarning{\KOMAClassName}{%
16964 Optional argument of \string\maketitle\space ignored
16965 at\MessageBreak
16966 notitlepage-mode%
16967 }%
16968 \fi
16969 \begingroup
16970 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16971 \let\@oldmakefnmark\@makefnmark
16972 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16973 \if@twocolumn
16974 \ifnum \col@number=\@ne
16975 \@maketitle
16976 \else
16977 \twocolumn[\@maketitle]%
16978 \fi
16979 \else
16980 \newpage
16981 \global\@topnum\z@
16982 \@maketitle
16983 \fi
16984 \thispagestyle{\titlepagestyle}\@thanks
16985 \endgroup
16986 \fi
16987 \setcounter{footnote}{0}%
16988 \let\thanks\relax
16989 \let\LTRthanks\relax
16990 \let\RTLthanks\relax
16991 \let\maketitle\relax
16992 \let\@maketitle\relax
16993 \global\let\@thanks\@empty
16994 \global\let\@author\@empty
16995 \global\let\@date\@empty
16996 \global\let\@title\@empty
16997 \global\let\@subtitle\@empty
16998 \global\let\@extratitle\@empty
16999 \global\let\@titlehead\@empty
17000 \global\let\@subject\@empty
17001 \global\let\@publishers\@empty
17002 \global\let\@uppertitleback\@empty
17003 \global\let\@lowertitleback\@empty
17004 \global\let\@dedication\@empty
17005 \global\let\author\relax
17006 \global\let\title\relax
17007 \global\let\extratitle\relax

```



```

17008 \global\let\titlehead\relax
17009 \global\let\subject\relax
17010 \global\let\publishers\relax
17011 \global\let\uppertitleback\relax
17012 \global\let\lowertitleback\relax
17013 \global\let\dedication\relax
17014 \global\let\date\relax
17015 \global\let\and\relax
17016 }%
17017 \renewcommand*{\@maketitle}{%
17018 \clearpage
17019 \let\footnote\thanks
17020 \let\LTRfootnote\LTRthanks
17021 \let\RTLfootnote\RTLthanks
17022 \ifx\@extratitle\@empty \else
17023 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17024 \fi
17025 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17026 \ifx\@titlehead\@empty \else
17027 \begin{minipage}[t]{\textwidth}
17028 \@titlehead
17029 \end{minipage}\par
17030 \fi
17031 \null
17032 \vskip 2em%
17033 \begin{center}%
17034 \ifx\@subject\@empty \else
17035 {\subject@font \@subject \par}
17036 \vskip 1.5em
17037 \fi
17038 {\titlefont\huge \@title \par}%
17039 \vskip .5em
17040 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17041 \vskip 1em
17042 {\Large
17043 \lineskip .5em%
17044 \begin{tabular}[t]{c}
17045 \@author
17046 \end{tabular}\par
17047 }%
17048 \vskip 1em%
17049 {\Large \@date \par}%
17050 \vskip \z@ \@plus 1em
17051 {\Large \@publishers \par}
17052 \ifx\@dedication\@empty \else
17053 \vskip 2em
17054 {\Large \@dedication \par}
17055 \fi
17056 \end{center}%
17057 \par
17058 \vskip 2em
17059 }%
17060 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17061 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
17062 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17063 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
17064 \renewcommand*{\thesubsubsection}{%

```



```

17065 \thesubsection\@SepMark\@arabic\c@subsubsection
17066 }
17067 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17068 \renewcommand*{\thesubparagraph}{%
17069 \theparagraph\@SepMark\@arabic\c@subparagraph
17070 }
17071 \renewenvironment{thebibliography}[1]{%
17072 \if@bib@break@
17073 \bib@beginhook
17074 \else
17075 \bib@heading
17076 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17077 \noindent\bibpreamble\par\nobreak
17078 \fi\fi
17079 \bib@beginhook
17080 \bib@before@hook
17081 \fi
17082 \renewcommand{\BreakBibliography}[1]{%
17083 \@bib@break
17084 \end{thebibliography}%
17085 \begingroup ##1\endgroup
17086 \begin{thebibliography}{#1}
17087 }%
17088 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17089 \bidi@thebibliography@font@hook%
17090 \list{%
17091 \@biblabel{\@arabic\c@enumiv}%
17092 }{%
17093 \settowidth\labelwidth{\@biblabel{#1}}%
17094 \leftmargin\labelwidth
17095 \advance\leftmargin\labelsep
17096 \@openbib@code
17097 \if@bib@break@
17098 \edef\@tempa{%
17099 \noexpand\usecounter{enumiv}%
17100 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17101 }\@tempa
17102 \no@bib@break
17103 \else
17104 \usecounter{enumiv}%
17105 \fi
17106 \let\p@enumiv\@empty
17107 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17108 }%
17109 \sloppy\clubpenalty4000 \widowpenalty4000
17110 \sfcode`\.\@m
17111 }{%
17112 \if@bib@break@
17113 \def\@noitemerr{%
17114 \@latex@warning{%
17115 \string\BreakBibliography\space at begin of `thebibliography'
17116 environment\MessageBreak
17117 or following \string\BreakBibliography}%
17118 }%
17119 \else
17120 \def\@noitemerr{%
17121 \@latex@warning{%

```



```

17122      Empty `thebibliography' environment or
17123      \string\BreakBibliography\MessageBreak
17124      before end of `thebibliography' environment}%
17125  }%
17126  \fi
17127  \endlist
17128  \if@bib@break@
17129  \else
17130    \bib@after@hook
17131    \let\bib@before@hook@empty
17132    \let\bib@after@hook@empty
17133  \fi
17134  \bib@endhook
17135 }
17136 \renewcommand*\left@footnoterule{%
17137   \kern-3\p@
17138   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17139   \hrule\@width.4\columnwidth
17140   \kern 2.6\p@}
17141 \renewcommand*\right@footnoterule{%
17142   \kern-3\p@
17143   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17144   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17145   \kern2.6\p@}
17146 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17147 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17148 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17149 \renewcommand\marginline[1]{%
17150   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi #1}%
17151 }
17152 \renewcommand{\@makecaption}[3]{%
17153   \cap@margin
17154   \ifonelinecaptions
17155     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17156     \let\scr@tmp@footnotetext=\@footnotetext
17157     \let\@footnotetext=\@gobble
17158     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17159     \let\@LTRfootnotetext=\@gobble
17160     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17161     \let\@RTLfootnotetext=\@gobble
17162     \sbox\@tempboxa{%
17163       {\capfont{\strut\ignorespaces
17164         #1{\caplabelfont{#2\captionformat}}}%
17165       #3\unskip\strut}}%
17166     }%
17167     \let\@footnotetext=\scr@tmp@footnotetext
17168     \let\scr@tmp@footnotetext=\undefined
17169     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17170     \let\scr@tmp@LTRfootnotetext=\undefined
17171     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17172     \let\scr@tmp@RTLfootnotetext=\undefined
17173     \setcounter{footnote}{\@tempcntb}%
17174     \setcounter{mpfootnote}{\@tempcnta}%
17175   \else
17176     \sbox\@tempboxa{\hspace*{2\cap@width}}%
17177   \fi
17178   \begingroup%

```



```

17179 \setlength{\@tempdima}{\cap@width}%
17180 \ifdim \wd\@tempboxa >\@tempdima
17181 \hb@xt@\hsize{%
17182 \setbox\@tempboxa\vbox{\hsize=\cap@width
17183 \ifdoofullc@p
17184 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17185 #1{\caplabelfont{#2\captionformat}}}}}%
17186 {#3\unskip\strut\par}}}%
17187 \else%
17188 \ifdim\cap@indent<\z@
17189 {\capfont{\strut\ignorespaces
17190 #1{\caplabelfont{#2\captionformat\par}}}%
17191 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17192 \else%
17193 \if@capbreak
17194 {\capfont{\strut\ignorespaces
17195 #1{\caplabelfont{#2\captionformat\par}}}%
17196 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17197 \else
17198 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}%
17199 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17200 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17201 \fi
17202 \fi
17203 \fi
17204 }%
17205 \setlength{\@tempdima}{\ht\@tempboxa}%
17206 \addtolength{\@tempdima}{\dp\@tempboxa}%
17207 \addtolength{\@tempdima}{-\ht\strutbox}%
17208 \ht\@tempboxa\ht\strutbox
17209 \dp\@tempboxa\@tempdima
17210 \strut\cap@left
17211 \box\@tempboxa
17212 \cap@right\strut
17213 }%
17214 \else
17215 \global \@minipagefalse
17216 \sbox\@tempboxa{%
17217 {\capfont{\scr@smashdp{\strut\ignorespaces
17218 #1{\caplabelfont{#2\captionformat}}}}}%
17219 #3}}%
17220 }%
17221 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}%
17222 \fi
17223 \endgroup
17224 }
17225 \renewcommand{\@makecaption}[2]{%
17226 \if@captionabove
17227 \vskip\belowcaptionskip
17228 \else
17229 \vskip\abovecaptionskip
17230 \fi
17231 \@@makecaption\@firstofone{#1}{#2}%
17232 \if@captionabove
17233 \vskip\abovecaptionskip
17234 \else
17235 \vskip\belowcaptionskip

```




```

17236 \fi
17237 }
17238 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17239 \ifpackageloaded{caption2}{\komalongtablefalse
17240 \scr@caption@before@longtable@warning{caption2}%
17241 }{}%
17242 \if@komalongtable
17243 \renewcommand{\LT@makecaption}[3]{%
17244 \noalign{%
17245 \if@captionabove
17246 \vskip\belowcaptionskip
17247 \else
17248 \vskip\abovecaptionskip
17249 \fi
17250 }%
17251 \LT@mc@col\LT@cols c{%
17252 \hbox to\z@{\hss\parbox[t]{\linewidth{%
17253 \@@makecaption{#1}{#2}{#3}%
17254 \endgraf
17255 \if@captionabove
17256 \vskip\abovecaptionskip
17257 \else
17258 \vskip\belowcaptionskip
17259 \fi
17260 }%
17261 \hss
17262 }%
17263 }%
17264 }%
17265 \renewcommand*{\scr@LT@array}{}%
17266 \let\scr@LT@array=\LT@array
17267 \renewcommand*{\LT@array}{%
17268 \let\scr@caption=\LT@caption
17269 \def\captionabove{\noalign{\global\@captionabovetrue}%
17270 \scr@caption}%
17271 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17272 \scr@caption}%
17273 \if@tablecaptionabove
17274 \let\LT@caption=\captionabove
17275 \else
17276 \let\LT@caption=\captionbelow
17277 \fi
17278 \scr@LT@array
17279 }%
17280 \ClassInfo{\KOMAClassName}{%
17281 longtable captions redefined%
17282 }%
17283 \fi
17284 }
17285
17286 \CloneTOCEntryStyle{tocline}{part}
17287 \TOCEntryStyleStartInitCode{part}{%
17288 \expandafter\renewcommand%
17289 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17290 \expandafter\renewcommand%
17291 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17292 \expandafter\renewcommand%

```



```

17293 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17294   \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17295 \expandafter\renewcommand\expandafter*%
17296 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17297 }
17298
17299 \CloneTOCEntryStyle{tocline}{section}
17300 \TOCEntryStyleStartInitCode{section}{%
17301   \expandafter\renewcommand%
17302   \csname scr@tso@#1@linefill\endcsname{%
17303     \if@sectionentrywithdots
17304       \TOCLineLeaderFill\relax
17305     \else
17306       \hfill
17307     \fi
17308   }%
17309   % F^^fcr die Eintr^^e4ge die Schrift von Element sectionentry verwenden.
17310   \expandafter\renewcommand%
17311   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}}%
17312   \expandafter\renewcommand%
17313   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{sectionentry
17314   \expandafter\renewcommand\expandafter*%
17315   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17316 }
17317
17318 \CloneTOCEntryStyle{tocline}{subsection}
17319 \TOCEntryStyleStartInitCode{subsection}{%
17320   \expandafter\renewcommand%
17321   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17322 }
17323
17324 \CloneTOCEntryStyle{subsection}{default}
17325
17326 \DeclareSectionCommand[%
17327   style=part,%
17328   level=\z@,%
17329   tocstyle=part,%
17330   toclevel=\m@ne,%
17331   tocindent=\z@,%
17332   tocnumwidth=2em%
17333 ]{part}
17334 \DeclareSectionCommand[%
17335   style=section,%
17336   level=1,%
17337   indent=\z@,%
17338   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17339   afterskip=2.3ex \@plus .2ex,%
17340   tocstyle=section,%
17341   tocindent=0pt,%
17342   tocnumwidth=1.5em%
17343 ]{section}
17344 \DeclareSectionCommand[%
17345   style=section,%
17346   level=2,%
17347   indent=\z@,%
17348   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17349   afterskip=1.5ex \@plus .2ex,%

```



```

17350   tocstyle=subsection,%
17351   tocindent=1.5em,%
17352   tocnumwidth=2.3em%
17353 }{subsection}
17354 \DeclareSectionCommand[%
17355   style=section,%
17356   level=3,%
17357   indent=\z@,%
17358   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17359   afterskip=1.5ex \@plus .2ex,%
17360   tocstyle=subsection,%
17361   tocindent=3.8em,%
17362   tocnumwidth=3.2em%
17363 ]{subsubsection}
17364 \DeclareSectionCommand[%
17365   style=section,%
17366   level=4,%
17367   indent=\z@,%
17368   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17369   afterskip=-1em,%
17370   tocstyle=subsection,%
17371   tocindent=7.0em,%
17372   tocnumwidth=4.1em%
17373 ]{paragraph}
17374 \DeclareSectionCommand[%
17375   style=section,%
17376   level=5,%
17377   indent=\scr@parindent,%
17378   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17379   afterskip=-1em,%
17380   tocstyle=subsection,%
17381   tocindent=10em,%
17382   tocnumwidth=5em%
17383 ]{subparagraph}

```

106 File scrbook-xetex-bidi.def

```

17384 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for XeTeX engi
17385 \newcommand{\scr@saved@LTRfootnotetext}{}
17386 \newcommand{\scr@saved@RTLfootnotetext}{}
17387 \let\scr@saved@footnotetext\@footnotetext
17388 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17389 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17390 \renewcommand{\@footnotetext}[1]{%
17391   \scr@saved@footnotetext{#1}%
17392   \csname FN@mfp@prepare\endcsname
17393 }
17394 \renewcommand{\@LTRfootnotetext}[1]{%
17395   \scr@saved@LTRfootnotetext{#1}%
17396   \csname FN@mfp@prepare\endcsname
17397 }
17398 \renewcommand{\@RTLfootnotetext}[1]{%
17399   \scr@saved@RTLfootnotetext{#1}%
17400   \csname FN@mfp@prepare\endcsname
17401 }
17402 \renewcommand\deffootnote[4][]{%
17403   \long\def\@makefntext#1{%

```



```

17404 \setlength{\@tempdimc}{#3}%
17405 \def\@tempa{#1}\ifx\@tempa\@empty
17406 \setpar{\@par
17407 \@tempdima = \hsize
17408 \addtolength{\@tempdima}{-#2}%
17409 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17410 \else
17411 \addtolength{\@tempdimc}{#2}%
17412 \addtolength{\@tempdimc}{-#1}%
17413 \setpar{\@par
17414 \@tempdima = \hsize
17415 \addtolength{\@tempdima}{-#1}%
17416 \@tempdimb = \hsize
17417 \addtolength{\@tempdimb}{-#2}%
17418 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@temp
17419 }%
17420 \fi
17421 \par
17422 \parindent\@tempdimc\noindent
17423 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17424 }%
17425 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17426 }
17427 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17428 \renewcommand*\left@footnoterule{%
17429 \normalsize\ftn@rule@test@values
17430 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17431 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17432 {\usekomafont{footnoterule}{%
17433 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17434 \kern 2.6\p@}
17435 \renewcommand*\right@footnoterule{%
17436 \normalsize\ftn@rule@test@values
17437 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17438 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17439 {\usekomafont{footnoterule}{%
17440 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leaders\hrul
17441 \kern 2.6\p@}
17442 \renewcommand*\maketitle[1][1]{%
17443 \if@titlepage
17444 \begin{titlepage}
17445 \setcounter{page}{%
17446 #1%
17447 }%
17448 \let\footnotesize\small
17449 \let\right@footnoterule\relax
17450 \let\left@footnoterule\relax
17451 \let\textwidth\footnoterule\relax
17452 \let\footnote\thanks
17453 \let\LTRfootnote\LTRthanks
17454 \let\RTLfootnote\RTLthanks
17455 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17456 \let\@oldmakefnmark\@makefnmark
17457 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
17458 \ifx\@extratitle\@empty \else
17459 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17460 \thispagestyle{empty}%

```



```

17461 \fi
17462 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17463 \ifx\@titlehead\@empty \else
17464 \begin{minipage}[t]{\textwidth}%
17465 \@titlehead
17466 \end{minipage}\par
17467 \fi
17468 \null\vfill
17469 \begin{center}
17470 \ifx\@subject\@empty \else
17471 {\subject@font \@subject \par}%
17472 \vskip 3em
17473 \fi
17474 {\titlefont\huge \@title\par}%
17475 \vskip 1em
17476 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17477 \vskip 2em
17478 {\Large \lineskip 0.75em
17479 \begin{tabular}[t]{c}
17480 \@author
17481 \end{tabular}\par
17482 }%
17483 \vskip 1.5em
17484 {\Large \@date \par}%
17485 \vskip \z@ \@plus3fill
17486 {\Large \@publishers \par}%
17487 \vskip 3em
17488 \end{center}\par
17489 \@thanks
17490 \vfill\null
17491 \if@twoside\next@tpage
17492 \begin{minipage}[t]{\textwidth}
17493 \@uppertitleback
17494 \end{minipage}\par
17495 \vfill
17496 \begin{minipage}[b]{\textwidth}
17497 \@lowertitleback
17498 \end{minipage}
17499 \fi
17500 \ifx\@dedication\@empty \else
17501 \next@tpage\null\vfill
17502 {\centering \Large \@dedication \par}%
17503 \vskip \z@ \@plus3fill
17504 \if@twoside \next@tpage\cleardoubleemptypage \fi
17505 \fi
17506 \end{titlepage}
17507 \else
17508 \par
17509 \@tempcnta=%
17510 #1%
17511 \relax\ifnum\@tempcnta=1\else
17512 \ClassWarning{\KOMAClassName}{%
17513 Optional argument of \string\maketitle\space ignored
17514 at\MessageBreak
17515 notitlepage-mode%
17516 }%
17517 \fi

```



```

17518 \begingroup
17519 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17520 \let\oldmakefnmark\makefnmark
17521 \renewcommand*{\@makefnmark}{\rlap\oldmakefnmark}
17522 \if@twocolumn
17523 \ifnum \col@number=\@ne
17524 \maketitle
17525 \else
17526 \twocolumn[\maketitle]%
17527 \fi
17528 \else
17529 \newpage
17530 \global\@topnum\z@
17531 \maketitle
17532 \fi
17533 \thispagestyle{\titlepagestyle}\@thanks
17534 \endgroup
17535 \fi
17536 \setcounter{footnote}{0}%
17537 \let\thanks\relax
17538 \let\LTRthanks\relax
17539 \let\RTLthanks\relax
17540 \let\maketitle\relax
17541 \let\@maketitle\relax
17542 \global\let\@thanks\@empty
17543 \global\let\@author\@empty
17544 \global\let\@date\@empty
17545 \global\let\@title\@empty
17546 \global\let\@subtitle\@empty
17547 \global\let\@extratitle\@empty
17548 \global\let\@titlehead\@empty
17549 \global\let\@subject\@empty
17550 \global\let\@publishers\@empty
17551 \global\let\@uppertitleback\@empty
17552 \global\let\@lowertitleback\@empty
17553 \global\let\@dedication\@empty
17554 \global\let\author\relax
17555 \global\let\title\relax
17556 \global\let\extratitle\relax
17557 \global\let\titlehead\relax
17558 \global\let\subject\relax
17559 \global\let\publishers\relax
17560 \global\let\uppertitleback\relax
17561 \global\let\lowertitleback\relax
17562 \global\let\dedication\relax
17563 \global\let\date\relax
17564 \global\let\and\relax
17565 }%
17566 \renewcommand*{\@maketitle}{%
17567 \clearpage
17568 \let\footnote\thanks
17569 \let\LTRfootnote\LTRthanks
17570 \let\RTLfootnote\RTLthanks
17571 \ifx\@extratitle\@empty \else
17572 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17573 \fi
17574 \setparsizes{\z@}{\z@}{\z@}\@plus 1fil\par@updaterelative

```



```

17575 \ifx\@titlehead\@empty \else
17576 \begin{minipage}[t]{\textwidth}
17577 \@titlehead
17578 \end{minipage}\par
17579 \fi
17580 \null
17581 \vskip 2em%
17582 \begin{center}%
17583 \ifx\@subject\@empty \else
17584 {\subject@font \@subject \par}
17585 \vskip 1.5em
17586 \fi
17587 {\titlefont\huge \@title \par}%
17588 \vskip .5em
17589 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17590 \vskip 1em
17591 {\Large
17592 \lineskip .5em%
17593 \begin{tabular}[t]{c}
17594 \@author
17595 \end{tabular}\par
17596 }%
17597 \vskip 1em%
17598 {\Large \@date \par}%
17599 \vskip \z@ \@plus 1em
17600 {\Large \@publishers \par}
17601 \ifx\@dedication\@empty \else
17602 \vskip 2em
17603 {\Large \@dedication \par}
17604 \fi
17605 \end{center}%
17606 \par
17607 \vskip 2em
17608 }%
17609 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17610 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17611 \renewcommand*\thesection{%
17612 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17613 \if@mainmatter\thechapter\@SepMark\fi
17614 \else
17615 \thechapter\@SepMark%
17616 \fi
17617 \@arabic\c@section
17618 }
17619 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17620 \renewcommand*{\thesubsubsection}{%
17621 \thesubsection\@SepMark\@arabic\c@subsubsection
17622 }
17623 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17624 \renewcommand*{\thesubparagraph}{%
17625 \theparagraph\@SepMark\@arabic\c@subparagraph
17626 }
17627 \renewcommand*\thefigure{%
17628 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17629 \if@mainmatter\thechapter\@SepMark\fi
17630 \else
17631 \thechapter\@SepMark%

```



```

17632 \fi
17633 \@arabic\c@figure
17634 }
17635 \renewcommand*\thetable{%
17636 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17637 \ifmainmatter\thechapter\@SepMark\fi
17638 \else
17639 \thechapter\@SepMark%
17640 \fi
17641 \@arabic\c@table
17642 }
17643 \renewcommand*\theequation{%
17644 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17645 \ifmainmatter\thechapter\@SepMark\fi
17646 \else
17647 \thechapter\@SepMark%
17648 \fi
17649 \@arabic\c@equation
17650 }
17651 \renewenvironment{thebibliography}[1]{%
17652 \if@bib@break@
17653 \bib@beginhook
17654 \else
17655 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17656 \setchapterpreamble{\bibpreamble}%
17657 \fi\fi
17658 \bib@heading
17659 \bib@beginhook
17660 \bib@before@hook
17661 \fi
17662 \renewcommand{\BreakBibliography}[1]{%
17663 \@bib@break
17664 \end{thebibliography}%
17665 \begingroup ##1\endgroup
17666 \begin{thebibliography}{#1}
17667 }%
17668 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17669 \bidi@thebibliography@font@hook%
17670 \list{%
17671 \@biblabel{\@arabic\c@enumiv}%
17672 }{%
17673 \settowidth\labelwidth{\@biblabel{#1}}%
17674 \leftmargin\labelwidth
17675 \advance\leftmargin\labelsep
17676 \@openbib@code
17677 \if@bib@break@
17678 \edef\@tempa{%
17679 \noexpand\usecounter{enumiv}%
17680 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17681 }\@tempa
17682 \no@bib@break
17683 \else
17684 \usecounter{enumiv}%
17685 \fi
17686 \let\p@enumiv\@empty
17687 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17688 }%

```




```

17689 \sloppy\clubpenalty4000 \widowpenalty4000
17690 \sfcode`\.=\@m
17691 }{
17692 \if@bib@break@
17693 \def\@noitemerr{%
17694 \latex@warning{%
17695 \string\BreakBibliography\space at begin of `thebibliography'
17696 environment\MessageBreak
17697 or following \string\BreakBibliography}%
17698 }%
17699 \else
17700 \def\@noitemerr{%
17701 \latex@warning{%
17702 Empty `thebibliography' environment or
17703 \string\BreakBibliography\MessageBreak
17704 before end of `thebibliography' environment}%
17705 }%
17706 \fi
17707 \endlist
17708 \if@bib@break@
17709 \else
17710 \bib@after@hook
17711 \let\bib@before@hook\@empty
17712 \let\bib@after@hook\@empty
17713 \fi
17714 \bib@endhook
17715 }
17716 \renewcommand*\left@footnoterule{%
17717 \kern-3\p@
17718 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17719 \hrule\@width.4\columnwidth
17720 \kern 2.6\p@}
17721 \renewcommand*\right@footnoterule{%
17722 \kern-3\p@
17723 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17724 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17725 \kern2.6\p@}
17726 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17727 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17728 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17729 \renewcommand\marginline[1]{%
17730 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi #1}%
17731 }
17732 \renewcommand{\@makecaption}[3]{%
17733 \cap@margin
17734 \ifonelinecaptions
17735 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17736 \let\scr@tmp@footnotetext=\@footnotetext
17737 \let\@footnotetext=\@gobble
17738 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17739 \let\@LTRfootnotetext=\@gobble
17740 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17741 \let\@RTLfootnotetext=\@gobble
17742 \sbox\@tempboxa{%
17743 {\capfont{\strut\ignorespaces
17744 #1{\caplabelfont{#2\captionformat}}}%
17745 #3\unskip\strut}}%

```



```

17746 }%
17747 \let\@footnotetext=\scr@tmp@footnotetext
17748 \let\scr@tmp@footnotetext=\undefined
17749 \let\@LTrfootnotetext=\scr@tmp@LTrfootnotetext
17750 \let\scr@tmp@LTrfootnotetext=\undefined
17751 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17752 \let\scr@tmp@RTLfootnotetext=\undefined
17753 \setcounter{footnote}{\@tempcntb}%
17754 \setcounter{mpfootnote}{\@tempcnta}%
17755 \else
17756 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17757 \fi
17758 \begingroup%
17759 \setlength{\@tempdima}{\cap@width}%
17760 \ifdim \wd\@tempboxa >\@tempdima
17761 \hb@xt@{\hsize}{%
17762 \setbox\@tempboxa\vbox{\hsize=\cap@width
17763 \ifdofullcp
17764 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17765 #1{\caplabelfont{#2\captionformat}}}}}%
17766 {\#3\unskip\strut\par}}}%
17767 \else%
17768 \ifdim\cap@indent<\z@
17769 {\capfont{\strut\ignorespaces
17770 #1{\caplabelfont{#2\captionformat\par}}}%
17771 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
17772 \else%
17773 \if@capbreak
17774 {\capfont{\strut\ignorespaces
17775 #1{\caplabelfont{#2\captionformat\par}}}%
17776 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
17777 \else
17778 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}}%
17779 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17780 {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
17781 \fi
17782 \fi
17783 \fi
17784 }%
17785 \setlength{\@tempdima}{\ht\@tempboxa}%
17786 \addtolength{\@tempdima}{\dp\@tempboxa}%
17787 \addtolength{\@tempdima}{-\ht\strutbox}%
17788 \ht\@tempboxa\ht\strutbox
17789 \dp\@tempboxa\@tempdima
17790 \strut\cap@left
17791 \box\@tempboxa
17792 \cap@right\strut
17793 }%
17794 \else
17795 \global \@minipagefalse
17796 \sbox\@tempboxa{%
17797 {\capfont{\scr@smashdp{\strut\ignorespaces
17798 #1{\caplabelfont{#2\captionformat}}}}}%
17799 #3}%
17800 }%
17801 {\capfont{\hb@xt@{\hsize}{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}%
17802 \fi

```



```

17803 \endgroup
17804 }
17805 \renewcommand{\@makecaption}[2]{%
17806 \if@captionabove
17807 \vskip\belowcaptionskip
17808 \else
17809 \vskip\abovecaptionskip
17810 \fi
17811 \@makecaption\@firstofone{#1}{#2}%
17812 \if@captionabove
17813 \vskip\abovecaptionskip
17814 \else
17815 \vskip\belowcaptionskip
17816 \fi
17817 }
17818 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17819 \@ifpackageloaded{caption2}{\@komalongtablefalse
17820 \scr@caption@before@longtable@warning{caption2}%
17821 }{}%
17822 \if@komalongtable
17823 \renewcommand{\LT@makecaption}[3]{%
17824 \noalign{%
17825 \if@captionabove
17826 \vskip\belowcaptionskip
17827 \else
17828 \vskip\abovecaptionskip
17829 \fi
17830 }%
17831 \LT@mc@col\LT@cols c{%
17832 \hbox to\z@{\hss\parbox[t]{linewidth{%
17833 \@makecaption{#1}{#2}{#3}%
17834 \endgraf
17835 \if@captionabove
17836 \vskip\abovecaptionskip
17837 \else
17838 \vskip\belowcaptionskip
17839 \fi
17840 }%
17841 \hss
17842 }%
17843 }%
17844 }%
17845 \renewcommand*{\scr@LT@array}{}%
17846 \let\scr@LT@array=\LT@array
17847 \renewcommand*{\LT@array}{%
17848 \let\scr@caption=\LT@caption
17849 \def\captionabove{\noalign{\global\@captionabovetrue}%
17850 \scr@caption}%
17851 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17852 \scr@caption}%
17853 \if@tablecaptionabove
17854 \let\LT@caption=\captionabove
17855 \else
17856 \let\LT@caption=\captionbelow
17857 \fi
17858 \scr@LT@array
17859 }%

```



```

17860 \ClassInfo{\KOMAClassName}{%
17861     longtable captions redefined%
17862 }%
17863 \fi
17864 }
17865
17866 \CloneTOCEntryStyle{tocline}{part}
17867 \TOCEntryStyleStartInitCode{part}{%
17868     \expandafter\renewcommand%
17869     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17870     \expandafter\renewcommand%
17871     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17872     \expandafter\renewcommand%
17873     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17874         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17875     \expandafter\renewcommand\expandafter*%
17876     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17877 }
17878
17879 \CloneTOCEntryStyle{tocline}{chapter}
17880 \TOCEntryStyleStartInitCode{chapter}{%
17881     \expandafter\renewcommand%
17882     \csname scr@tso@#1@linefill\endcsname{%
17883         \ifchapterentrywithdots
17884             \TOCLineLeaderFill\relax
17885         \else
17886             \hfill
17887         \fi
17888     }%
17889     \expandafter\renewcommand%
17890     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17891     \expandafter\renewcommand%
17892     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17893         \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17894     \expandafter\renewcommand\expandafter*%
17895     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17896 }
17897
17898 \CloneTOCEntryStyle{tocline}{section}
17899 \TOCEntryStyleStartInitCode{section}{%
17900     \expandafter\renewcommand%
17901     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17902 }
17903
17904 \CloneTOCEntryStyle{section}{default}
17905
17906 \DeclareSectionCommand[%
17907     style=part,%
17908     level=\m@ne,%
17909     pagestyle=plain,%
17910     tocstyle=part,%
17911     toplevel=\m@ne,%
17912     tocindent=\z@,%
17913     tocnumwidth=2em%
17914 ]{part}
17915 \DeclareSectionCommand[%
17916     style=chapter,%

```



```

17917 level=\z@,%
17918 pagestyle=plain,%
17919 tocstyle=chapter,%
17920 tocindent=\z@,%
17921 tocnumwidth=1.5em%
17922 ]{chapter}
17923 \DeclareSectionCommand[%
17924 style=section,%
17925 level=1,%
17926 indent=\z@,%
17927 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17928 afterskip=2.3ex \@plus .2ex,%
17929 tocstyle=section,%
17930 tocindent=1.5em,%
17931 tocnumwidth=2.3em%
17932 ]{section}
17933 \DeclareSectionCommand[%
17934 style=section,%
17935 level=2,%
17936 indent=\z@,%
17937 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17938 afterskip=1.5ex \@plus .2ex,%
17939 tocstyle=section,%
17940 tocindent=3.8em,%
17941 tocnumwidth=3.2em%
17942 ]{subsection}
17943 \DeclareSectionCommand[%
17944 style=section,%
17945 level=3,%
17946 indent=\z@,%
17947 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17948 afterskip=1.5ex \@plus .2ex,%
17949 tocstyle=section,%
17950 tocindent=7.0em,%
17951 tocnumwidth=4.1em%
17952 ]{subsubsection}
17953 \DeclareSectionCommand[%
17954 style=section,%
17955 level=4,%
17956 indent=\z@,%
17957 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17958 afterskip=-1em,%
17959 tocstyle=section,%
17960 tocindent=10em,%
17961 tocnumwidth=5em%
17962 ]{paragraph}
17963 \DeclareSectionCommand[%
17964 style=section,%
17965 level=5,%
17966 indent=\scr@parindent,%
17967 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17968 afterskip=-1em,%
17969 tocstyle=section,%
17970 tocindent=12em,%
17971 tocnumwidth=6em%
17972 ]{subparagraph}
17973

```



17974

107 File scrlettr-xetex-bidi.def

```
17975 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for XeTeX en
17976 \renewcommand\deffootnote[4][{}]{%
17977   \long\def\@makefnmark##1{%
17978     \edef\@tempa{#1}\ifx\@tempa\@empty
17979       \setpar{\@par
17980         \@tempdima = \hsize
17981         \addtolength{\@tempdima}{-#2}
17982         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17983       \else
17984         \setpar{\@par
17985           \@tempdima = \hsize
17986           \addtolength{\@tempdima}{-#1}
17987           \@tempdimb = \hsize
17988           \addtolength{\@tempdimb}{-#2}
17989           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempd
17990         \fi
17991       \par
17992       \parindent #3\noindent
17993       \hbox to \z@{\hss\@makefnmark}##1}
17994   \def\@makefnmark{\hbox{#4}}
17995 }
17996 \deffootnote[1em]{1.5em}{1em}
17997 {\textsuperscript{\thefootnotemark}}
17998 \def\left@footnoterule{\kern-1\p@
17999 \hrule width 0.4\columnwidth
18000 \kern .6\p@}
18001 \def\right@footnoterule{%
18002   \kern-1\p@
18003   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18004   \kern .6\p@}
18005 \def\@datefield{\@reffalse
18006 \ifx\varyourref\@empty \else \@reftrue \fi
18007 \ifx\varyourmail\@empty \else \@reftrue \fi
18008 \ifx\varmyref\@empty \else \@reftrue \fi
18009 \ifx\varcustomer\@empty \else \@reftrue \fi
18010 \ifx\varinvoice\@empty \else \@reftrue \fi
18011 \ifx\varrefitemi\@empty \else \@reftrue \fi
18012 \ifx\varrefitemii\@empty \else \@reftrue \fi
18013 \ifx\varrefitemiii\@empty \else \@reftrue \fi
18014 \vskip -\parskip
18015 \vskip \refvskip
18016 \if@ref
18017   \ifx\varyourref\@empty \else
18018     \settowidth{\sc@temp}{\varyourref}
18019     \setbox0\hbox{\scriptsize \sf \yourrefname}
18020     \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18021     \parbox[t]{\sc@temp}{\noindent \box0\par \varyourref}\hfill
18022   \fi
18023   \ifx\varyourmail\@empty \else
18024     \settowidth{\sc@temp}{\varyourmail}
18025     \setbox0\hbox{\scriptsize \sf \yourmailname}
18026     \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18027     \parbox[t]{\sc@temp}{\noindent \box0\par \varyourmail}\hfill
```



```

18028 \fi
18029 \ifx\varmyref\@empty \else
18030 \settowidth{\sc@temp}{\varmyref}
18031 \setbox0\hbox{\scriptsize \sf \myrefname}
18032 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18033 \parbox[t]{\sc@temp}{\noindent \box0\par \varmyref}\hfill
18034 \fi
18035 \ifx\varcustomer\@empty \else
18036 \settowidth{\sc@temp}{\varcustomer}
18037 \setbox0\hbox{\scriptsize \sf \customername}
18038 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18039 \parbox[t]{\sc@temp}{\noindent \box0\par \varcustomer}\hfill
18040 \fi
18041 \ifx\varinvoice\@empty \else
18042 \settowidth{\sc@temp}{\varinvoice}
18043 \setbox0\hbox{\scriptsize \sf \invoice name}
18044 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18045 \parbox[t]{\sc@temp}{\noindent \box0\par \varinvoice}\hfill
18046 \fi
18047 \ifx\varrefitemi\@empty \else
18048 \settowidth{\sc@temp}{\varrefitemi}
18049 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
18050 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18051 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemi}\hfill
18052 \fi
18053 \ifx\varrefitemii\@empty \else
18054 \settowidth{\sc@temp}{\varrefitemii}
18055 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
18056 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18057 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemii}\hfill
18058 \fi
18059 \ifx\varrefitemiii\@empty \else
18060 \settowidth{\sc@temp}{\varrefitemiii}
18061 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
18062 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18063 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemiii}\hfill
18064 \fi
18065 \ifx\@date\@empty \else
18066 \settowidth{\sc@temp}{\@date}
18067 \setbox0\hbox{\scriptsize \sf \datename}
18068 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18069 \parbox[t]{\sc@temp}{\noindent \box0\par \@date}
18070 \fi
18071 \par
18072 \vspace{2.5\baselineskip}
18073 \else
18074 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
18075 \vspace{1.5\baselineskip}
18076 \fi}
18077 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
18078 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
18079 -\sigindent \hspace{\sigindent}%
18080 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\\[\presig@skip]
18081 \fromsig\strut}\par
18082 \vspace{1.5\baselineskip}}

```



108 File scrreprt-xetex-bidi.def

```

18083 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for XeTeX en
18084 \newcommand{\scr@saved@LTRfootnotetext}{}
18085 \newcommand{\scr@saved@RTLfootnotetext}{}
18086 \let\scr@saved@footnotetext\@footnotetext
18087 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18088 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18089 \renewcommand{\@footnotetext}[1]{%
18090   \scr@saved@footnotetext{#1}%
18091   \csname FN@m@prepare\endcsname
18092 }
18093 \renewcommand{\@LTRfootnotetext}[1]{%
18094   \scr@saved@LTRfootnotetext{#1}%
18095   \csname FN@m@prepare\endcsname
18096 }
18097 \renewcommand{\@RTLfootnotetext}[1]{%
18098   \scr@saved@RTLfootnotetext{#1}%
18099   \csname FN@m@prepare\endcsname
18100 }
18101 \renewcommand\deffootnote[4][1]{%
18102   \long\def\@makefnmark##1{%
18103     \setlength{\@tempdimc}{#3}%
18104     \def\@tempa{#1}\ifx\@tempa\@empty
18105       \setpar{\@par
18106         \@tempdima = \hsize
18107         \addtolength{\@tempdima}{-#2}%
18108         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18109       \else
18110         \addtolength{\@tempdimc}{#2}%
18111         \addtolength{\@tempdimc}{-#1}%
18112         \setpar{\@par
18113           \@tempdima = \hsize
18114           \addtolength{\@tempdima}{-#1}%
18115           \@tempdimb = \hsize
18116           \addtolength{\@tempdimb}{-#2}%
18117           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempd
18118         }%
18119       \fi
18120       \par
18121       \parindent\@tempdimc\noindent
18122       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18123     }%
18124     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18125   }
18126 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18127 \renewcommand*\left@footnoterule{%
18128   \normalsize\ftn@rule@test@values
18129   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18130   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18131   {\usekomafont{footnoterule}{%
18132     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18133   \kern 2.6\p@}
18134 \renewcommand*\right@footnoterule{%
18135   \normalsize\ftn@rule@test@values
18136   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18137   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi

```




```

18138 {\usekomafont{footnoterule}}{%
18139     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leaders\hrul
18140     \kern 2.6\p@}
18141 \renewcommand*\maketitle[1][1]{%
18142     \if@titlepage
18143         \begin{titlepage}
18144             \setcounter{page}{%
18145                 #1%
18146             }%
18147             \let\footnotesize\small
18148             \let\right@footnoterule\relax
18149             \let\left@footnoterule\relax
18150             \let\textwidth@footnoterule\relax
18151             \let\footnote\thanks
18152             \let\LTRfootnote\LTRthanks
18153             \let\RTLfootnote\RTLthanks
18154             \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18155             \let\@oldmakefnmark\@makefnmark
18156             \renewcommand*\@makefnmark{\rlap{\@oldmakefnmark}}%
18157             \ifx\@extratitle\@empty \else
18158                 \noindent\@extratitle\next@tpage\cleardoubleemptypage
18159                 \thispagestyle{empty}%
18160             \fi
18161             \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18162             \ifx\@titlehead\@empty \else
18163                 \begin{minipage}[t]{\textwidth}%
18164                     \@titlehead
18165                 \end{minipage}\par
18166             \fi
18167             \null\vfill
18168             \begin{center}
18169                 \ifx\@subject\@empty \else
18170                     {\subject@font \@subject \par}%
18171                     \vskip 3em
18172                 \fi
18173                 {\titlefont\huge \@title\par}%
18174                 \vskip 1em
18175                 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18176                 \vskip 2em
18177                 {\Large \lineskip 0.75em
18178                     \begin{tabular}[t]{c}
18179                         \@author
18180                     \end{tabular}\par
18181                 }%
18182                 \vskip 1.5em
18183                 {\Large \@date \par}%
18184                 \vskip \z@ \@plus3fill
18185                 {\Large \@publishers \par}%
18186                 \vskip 3em
18187             \end{center}\par
18188             \@thanks
18189             \vfill\null
18190             \if@twoside\next@tpage
18191                 \begin{minipage}[t]{\textwidth}
18192                     \@uppertitleback
18193                 \end{minipage}\par
18194             \vfill

```



```

18195     \begin{minipage}[b]{\textwidth}
18196         \@lowertitleback
18197     \end{minipage}
18198 \fi
18199 \ifx\@dedication\@empty \else
18200     \next@tpage\null\vfill
18201     {\centering \Large \@dedication \par}%
18202     \vskip \z@ \@plus3fill
18203     \if@twoside \next@tpage\cleardoubleemptypage \fi
18204 \fi
18205 \end{titlepage}
18206 \else
18207     \par
18208     \@tempcnta=%
18209     #1%
18210     \relax\ifnum\@tempcnta=1\else
18211         \ClassWarning{\KOMAClassName}{%
18212             Optional argument of \string\maketitle\space ignored
18213             at\MessageBreak
18214             notitlepage-mode%
18215         }%
18216 \fi
18217 \begin{group}
18218     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18219     \let\@oldmakefnmark\@makefnmark
18220     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
18221     \if@twocolumn
18222         \ifnum \col@number=\@ne
18223             \@maketitle
18224         \else
18225             \twocolumn[\@maketitle]%
18226         \fi
18227     \else
18228         \newpage
18229         \global\@topnum\z@
18230         \@maketitle
18231     \fi
18232     \thispagestyle{\titlepagestyle}\@thanks
18233 \end{group}
18234 \fi
18235 \setcounter{footnote}{0}%
18236 \let\thanks\relax
18237 \let\LTRthanks\relax
18238 \let\RTLthanks\relax
18239 \let\maketitle\relax
18240 \let\@maketitle\relax
18241 \global\let\@thanks\@empty
18242 \global\let\@author\@empty
18243 \global\let\@date\@empty
18244 \global\let\@title\@empty
18245 \global\let\@subtitle\@empty
18246 \global\let\@extratitle\@empty
18247 \global\let\@titlehead\@empty
18248 \global\let\@subject\@empty
18249 \global\let\@publishers\@empty
18250 \global\let\@uppertitleback\@empty
18251 \global\let\@lowertitleback\@empty

```



```

18252 \global\let\@dedication\@empty
18253 \global\let\author\relax
18254 \global\let\title\relax
18255 \global\let\extratitle\relax
18256 \global\let\titlehead\relax
18257 \global\let\subject\relax
18258 \global\let\publishers\relax
18259 \global\let\uppertitleback\relax
18260 \global\let\lowertitleback\relax
18261 \global\let\dedication\relax
18262 \global\let\date\relax
18263 \global\let\and\relax
18264 }%
18265 \renewcommand*{\@maketitle}{%
18266 \clearpage
18267 \let\footnote\thanks
18268 \let\LTRfootnote\LTRthanks
18269 \let\RTLfootnote\RTLthanks
18270 \ifx\@extratitle\@empty \else
18271 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18272 \fi
18273 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
18274 \ifx\@titlehead\@empty \else
18275 \begin{minipage}[t]{\textwidth}
18276 \titlehead
18277 \end{minipage}\par
18278 \fi
18279 \null
18280 \vskip 2em%
18281 \begin{center}%
18282 \ifx\@subject\@empty \else
18283 {\subject@font \@subject \par}
18284 \vskip 1.5em
18285 \fi
18286 {\titlefont\huge \@title \par}%
18287 \vskip .5em
18288 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18289 \vskip 1em
18290 {\Large
18291 \lineskip .5em%
18292 \begin{tabular}[t]{c}
18293 \author
18294 \end{tabular}}\par
18295 }%
18296 \vskip 1em%
18297 {\Large \@date \par}%
18298 \vskip \z@ \@plus 1em
18299 {\Large \@publishers \par}
18300 \ifx\@dedication\@empty \else
18301 \vskip 2em
18302 {\Large \@dedication \par}
18303 \fi
18304 \end{center}%
18305 \par
18306 \vskip 2em
18307 }%
18308 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}

```



```

18309 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18310 \renewcommand*\thesection{%
18311   \thechapter\@SepMark%
18312   \@arabic\c@section
18313 }
18314 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
18315 \renewcommand*\thesubsubsection{%
18316   \thesubsection\@SepMark\@arabic\c@subsubsection
18317 }
18318 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18319 \renewcommand*\thesubparagraph{%
18320   \theparagraph\@SepMark\@arabic\c@subparagraph
18321 }
18322 \renewcommand*\thefigure{%
18323   \thechapter\@SepMark%
18324   \@arabic\c@figure
18325 }
18326 \renewcommand*\thetable{%
18327   \thechapter\@SepMark%
18328   \@arabic\c@table
18329 }
18330 \renewcommand*\theequation{%
18331   \thechapter\@SepMark%
18332   \@arabic\c@equation
18333 }
18334 \renewenvironment{thebibliography}[1]{%
18335   \if@bib@break@
18336     \bib@beginhook
18337   \else
18338     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18339       \setchapterpreamble{\bibpreamble}%
18340     \fi\fi
18341     \bib@heading
18342     \bib@beginhook
18343     \bib@before@hook
18344   \fi
18345   \renewcommand{\BreakBibliography}[1]{%
18346     \@bib@break
18347   \end{thebibliography}}%
18348   \begingroup ##1\endgroup
18349   \begin{thebibliography}{#1}
18350 }%
18351 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18352 \bidi@thebibliography@font@hook%
18353 \list{%
18354   \@biblabel{\@arabic\c@enumiv}%
18355 }{%
18356   \settowidth\labelwidth{\@biblabel{#1}}%
18357   \leftmargin\labelwidth
18358   \advance\leftmargin\labelsep
18359   \@openbib@code
18360   \if@bib@break@
18361     \edef\@tempa{%
18362       \noexpand\usecounter{enumiv}%
18363       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18364     }\@tempa
18365   \no@bib@break

```



```

18366 \else
18367 \usecounter{enumiv}%
18368 \fi
18369 \let\p@enumiv\@empty
18370 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18371 }%
18372 \sloppy\clubpenalty4000 \widowpenalty4000
18373 \sfcode`\.\@m
18374 }{%
18375 \if@bib@break@
18376 \def\@noitemerr{%
18377 \@latex@warning{%
18378 \string\BreakBibliography\space at begin of `thebibliography'
18379 environment\MessageBreak
18380 or following \string\BreakBibliography}%
18381 }%
18382 \else
18383 \def\@noitemerr{%
18384 \@latex@warning{%
18385 Empty `thebibliography' environment or
18386 \string\BreakBibliography\MessageBreak
18387 before end of `thebibliography' environment}%
18388 }%
18389 \fi
18390 \endlist
18391 \if@bib@break@
18392 \else
18393 \bib@after@hook
18394 \let\bib@before@hook\@empty
18395 \let\bib@after@hook\@empty
18396 \fi
18397 \bib@endhook
18398 }
18399 \renewcommand*\left@footnoterule{%
18400 \kern-3\p@
18401 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18402 \hrule\@width.4\columnwidth
18403 \kern 2.6\p@}
18404 \renewcommand*\right@footnoterule{%
18405 \kern-3\p@
18406 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18407 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18408 \kern2.6\p@}
18409 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
18410 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
18411 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
18412 \renewcommand\marginline[1]{%
18413 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi #1}%
18414 }
18415 \renewcommand{\@makecaption}[3]{%
18416 \cap@margin
18417 \ifonelinecaptions
18418 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18419 \let\scr@tmp@footnotetext=\@footnotetext
18420 \let\@footnotetext=\@gobble
18421 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18422 \let\@LTRfootnotetext=\@gobble

```



```

18423 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18424 \let\@RTLfootnotetext=\@gobble
18425 \sbox\@tempboxa{%
18426   {\capfont{\strut\ignorespaces
18427     #1{\caplabelfont{#2\captionformat}}}%
18428     #3\unskip\strut}}%
18429 }%
18430 \let\@footnotetext=\scr@tmp@footnotetext
18431 \let\scr@tmp@footnotetext=\undefined
18432 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18433 \let\scr@tmp@LTRfootnotetext=\undefined
18434 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18435 \let\scr@tmp@RTLfootnotetext=\undefined
18436 \setcounter{footnote}{\@tempcntb}%
18437 \setcounter{mpfootnote}{\@tempcnta}%
18438 \else
18439   \sbox\@tempboxa{\hspace*{2\cap@width}}%
18440 \fi
18441 \begingroup%
18442   \setlength{\@tempdima}{\cap@width}%
18443   \ifdim \wd\@tempboxa >\@tempdima
18444     \hb@xt@\hsize{%
18445       \setbox\@tempboxa\vbox{\hsize=\cap@width
18446         \ifdofullc@p
18447           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18448             #1{\caplabelfont{#2\captionformat}}}}}%
18449             {\#3\unskip\strut\par}}}%
18450       \else%
18451         \ifdim\cap@indent<\z@
18452           {\capfont{\strut\ignorespaces
18453             #1{\caplabelfont{#2\captionformat\par}}}%
18454             \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
18455         \else%
18456           \if@capbreak
18457             {\capfont{\strut\ignorespaces
18458               #1{\caplabelfont{#2\captionformat\par}}}%
18459               \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
18460           \else
18461             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18462               {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18463                 {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
18464             \fi
18465           \fi
18466         \fi
18467     }%
18468     \setlength{\@tempdima}{\ht\@tempboxa}%
18469     \addtolength{\@tempdima}{\dp\@tempboxa}%
18470     \addtolength{\@tempdima}{-\ht\strutbox}%
18471     \ht\@tempboxa\ht\strutbox
18472     \dp\@tempboxa\@tempdima
18473     \strut\cap@left
18474     \box\@tempboxa
18475     \cap@right\strut
18476   }%
18477 \else
18478   \global \@minipagefalse
18479   \sbox\@tempboxa{%

```



```

18480         {\capfont{\scr@smashdp{\strut\ignorespaces
18481             #1{\caplabelfont{#2\captionformat}}}}}%
18482             #3}}}%
18483     }%
18484     {\capfont{\hb@xt@{\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap@right\
18485 \fi
18486 \endgroup
18487 }
18488 \renewcommand{\@makecaption}[2]{%
18489 \if@captionabove
18490 \vskip\belowcaptionskip
18491 \else
18492 \vskip\abovecaptionskip
18493 \fi
18494 \@makecaption\@firstofone{#1}{#2}%
18495 \if@captionabove
18496 \vskip\abovecaptionskip
18497 \else
18498 \vskip\belowcaptionskip
18499 \fi
18500 }
18501 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18502 \@ifpackageloaded{caption2}{\@komalongtablefalse
18503 \scr@caption@before@longtable@warning{caption2}%
18504 }{}%
18505 \if@komalongtable
18506 \renewcommand{\LT@makecaption}[3]{%
18507 \noalign{%
18508 \if@captionabove
18509 \vskip\belowcaptionskip
18510 \else
18511 \vskip\abovecaptionskip
18512 \fi
18513 }%
18514 \LT@mcol\LT@cols c{%
18515 \hbox to\z@{\hss\parbox[t]{\linewidth{%
18516 \@@makecaption{#1}{#2}{#3}%
18517 \endgraf
18518 \if@captionabove
18519 \vskip\abovecaptionskip
18520 \else
18521 \vskip\belowcaptionskip
18522 \fi
18523 }%
18524 \hss
18525 }%
18526 }%
18527 }%
18528 \renewcommand*{\scr@LT@array}{}%
18529 \let\scr@LT@array=\LT@array
18530 \renewcommand*{\LT@array}{%
18531 \let\scr@caption=\LT@caption
18532 \def\captionabove{\noalign{\global\@captionabovetrue}%
18533 \scr@caption}%
18534 \def\captionbelow{\noalign{\global\@captionabovefalse}%
18535 \scr@caption}%
18536 \if@tablecaptionabove

```



```

18537         \let\LT@caption=\captionabove
18538     \else
18539         \let\LT@caption=\captionbelow
18540     \fi
18541     \scr@LT@array
18542 }%
18543 \ClassInfo{\KOMAClassName}{%
18544     longtable captions redefined%
18545 }%
18546 \fi
18547 }
18548
18549 \CloneTOCEntryStyle{tocline}{part}
18550 \TOCEntryStyleStartInitCode{part}{%
18551     \expandafter\renewcommand%
18552     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18553     \expandafter\renewcommand%
18554     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18555     \expandafter\renewcommand%
18556     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18557         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18558     \expandafter\renewcommand\expandafter*%
18559     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18560 }
18561
18562 \CloneTOCEntryStyle{tocline}{chapter}
18563 \TOCEntryStyleStartInitCode{chapter}{%
18564     \expandafter\renewcommand%
18565     \csname scr@tso@#1@linefill\endcsname{%
18566         \ifchapterentrywithdots
18567             \TOCLineLeaderFill\relax
18568         \else
18569             \hfill
18570         \fi
18571     }%
18572     \expandafter\renewcommand%
18573     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18574     \expandafter\renewcommand%
18575     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18576         \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18577     \expandafter\renewcommand\expandafter*%
18578     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18579 }
18580
18581 \CloneTOCEntryStyle{tocline}{section}
18582 \TOCEntryStyleStartInitCode{section}{%
18583     \expandafter\renewcommand%
18584     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18585 }
18586
18587 \CloneTOCEntryStyle{section}{default}
18588
18589 \DeclareSectionCommand[%
18590     style=part,%
18591     level=\m@ne,%
18592     pagestyle=plain,%
18593     tocstyle=part,%

```




```

18594   toplevel=\m@ne,%
18595   tocindent=\z@,%
18596   tocnumwidth=2em%
18597 ]{part}
18598 \DeclareSectionCommand[%
18599   style=chapter,%
18600   level=\z@,%
18601   pagestyle=plain,%
18602   tocstyle=chapter,%
18603   tocindent=\z@,%
18604   tocnumwidth=1.5em%
18605 ]{chapter}
18606 \DeclareSectionCommand[%
18607   style=section,%
18608   level=1,%
18609   indent=\z@,%
18610   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
18611   afterskip=2.3ex \@plus .2ex,%
18612   tocstyle=section,%
18613   tocindent=1.5em,%
18614   tocnumwidth=2.3em%
18615 ]{section}
18616 \DeclareSectionCommand[%
18617   style=section,%
18618   level=2,%
18619   indent=\z@,%
18620   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18621   afterskip=1.5ex \@plus .2ex,%
18622   tocstyle=section,%
18623   tocindent=3.8em,%
18624   tocnumwidth=3.2em%
18625 ]{subsection}
18626 \DeclareSectionCommand[%
18627   style=section,%
18628   level=3,%
18629   indent=\z@,%
18630   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18631   afterskip=1.5ex \@plus .2ex,%
18632   tocstyle=section,%
18633   tocindent=7.0em,%
18634   tocnumwidth=4.1em%
18635 ]{subsubsection}
18636 \DeclareSectionCommand[%
18637   style=section,%
18638   level=4,%
18639   indent=\z@,%
18640   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
18641   afterskip=-1em,%
18642   tocstyle=section,%
18643   tocindent=10em,%
18644   tocnumwidth=5em%
18645 ]{paragraph}
18646 \DeclareSectionCommand[%
18647   style=section,%
18648   level=5,%
18649   indent=\scr@parindent,%
18650   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%

```



```

18651  afterskip=-1em,%
18652  tocstyle=section,%
18653  tocindent=12em,%
18654  tocnumwidth=6em%
18655 ]{subparagraph}
18656
18657

```

109 File sidecap-xetex-bidi.def

```

18658 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX engine]
18659 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18660   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
18661 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
18662 \renewcommand*{\SC@justify@caption}{\if@RTL%
18663 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
18664 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

110 File soul-xetex-bidi.def

```

18665 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX engine]
18666 \long\def\Soul@start#1{%
18667   \let\bidi@RTL@everypar\@empty
18668   \let\<\Soul@lowerthan
18669   \let\>\empty
18670   \def\soulomit{\noexpand\soulomit}%
18671   \gdef\Soul@eventuallyexhyphen##1{%
18672     \let\Soul@soeventuallyskip\relax
18673     \Soul@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
18674       \@minus\fontdimen4\font
18675     \Soul@ignorespacesfalse
18676     \leavevmode
18677     \Soul@preamble
18678     \Soul@lasttoken={}%
18679     \Soul@word={}%
18680     \Soul@minus\z@
18681     \Soul@comma\z@
18682     \Soul@apo\z@
18683     \Soul@grave\z@
18684     \Soul@do{#1}%
18685     \Soul@postamble
18686 }}
18687 \def\Soul@ulunderline#1{%
18688   \setbox\z@\hbox{#1}%
18689   \dimen@=\wd\z@
18690   \dimen@i=\Soul@uloverlap
18691   \advance\dimen@2\dimen@i
18692   \if@RTL
18693     \unhcopy\z@
18694     \llap{%
18695       \null
18696       \kern-\dimen@i
18697       \Soul@ulcolor{\Soul@ulleaders\hskip\dimen@}%
18698     }%
18699   \else
18700     \rlap{%
18701       \null

```



```

18702      \kern-\dimen@i
18703      \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18704    }%
18705    \unhcopy\z@
18706    \fi
18707  }}
18708  \def\bid@SOUL@ulleaders{%
18709    \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
18710  }
18711  \def\SOUL@uleverySPACE#1{%
18712    \if@RTL
18713      #1%
18714      \bid@SOUL@ulleaders
18715      \hskip\spaceskip
18716    \else
18717      \SOUL@ulcolor{%
18718        #1%
18719        \SOUL@ulleaders
18720        \hskip\spaceskip
18721      }%
18722      \fi
18723      \null
18724  }

```

111 File stabular-xetex-bidi.def

```

18725 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for XeTeX]
18726 \def\@stabular{%
18727   \leavevmode \bgroup \if@RTLtab\beginR \fi
18728   \let\@acol\@tabacol
18729   \let\@classz\@tabclassz
18730   \let\@classiv\@tabclassiv \let\@tabularcr\@stabarray}
18731 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18732   \egroup \if@RTLtab\endR\fi\egroup}
18733 \expandafter \let \csname endstabular*\endcsname = \endstabular
18734 \def\@sarray[#1]#2{%
18735   \bgroup
18736   \setbox\@arstrutbox\hbox{%
18737     \vrule \@height\arraystretch\ht\strutbox
18738     \@depth\arraystretch \dp\strutbox
18739     \@width\z@}%
18740   \@mkpream{#2}%
18741   \edef\@preamble{%
18742     \ialign \noexpand\@halignto
18743       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18744   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18745   \let\@tabularnewline\%
18746   \let\@sharp##%
18747   \set@typeset@protect
18748   \lineskip\z@skip\baselineskip\z@skip
18749   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18750   \@preamble}

```

112 File subfigure-xetex-bidi.def

```

18751 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package for XeTeX]
18752 \AtBeginDocument{%

```



```

18753 \let\p@subfigure=\thefigure
18754 \let\p@subtable=\thetable%
18755 }

```

113 File tabs-xetex-bidi.def

```

18756 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX engine]
18757 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18758
18759 \expandafter\let\csname endtabular*\endcsname=\endtabular
18760
18761 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18762   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18763   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18764
18765 \def\@array[#1]#2{% remember global variables to allow recursion:
18766   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18767     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18768   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18769   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18770   \else \let\@tarlinesep\tablinesep \fi
18771   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18772   \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18773   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18774   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18775     \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size
18776     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18777     \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18778       \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18779     \let\protect\noexpand
18780     \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18781       \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \crr}%
18782     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18783     \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18784     \bgroup \let\par\@empty
18785     \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18786     \advance\extrarulesep.5\arrayrulewidth
18787     \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18788     \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18789     \@preamble}

```

114 File tabularx-xetex-bidi.def

```

18790 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for XeTeX]
18791 \def\TX@endtabularx{%
18792   \expandafter\expandafter\expandafter
18793     \TX@find@endtabularxa\csname end\TX@\endcsname
18794     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18795   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
18796   \let\verb\TX@verb
18797   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18798   \edef\TX@ckpt{\cl@ckpt}%
18799   \let\@elt\relax
18800   \TX@old@table\maxdimen
18801   \TX@col@width\TX@target
18802   \global\TX@cols\@ne
18803   \TX@typeout@

```



```

18804   {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18805   \TX@trial{\def\NC@rewrite@X{%
18806       \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18807   \loop
18808       \TX@arith
18809       \ifTX@
18810       \TX@trial{%
18811   \repeat
18812   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18813   \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18814   \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18815   \csname tabular*\expandafter\endcsname\expandafter\TX@target
18816       \the\toks@
18817   \csname endtabular*\endcsname}%
18818   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18819   \ifnum0=\fi}%
18820   \expandafter\expandafter\expandafter
18821   \TX@find@endtabularxbb
18822   \expandafter\end\expandafter{\TX@}%
18823   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18824 }
18825
18826 \def\TX@trial#1{%
18827     \setbox\@tempboxa\hbox{%
18828         #1\relax
18829         \let\@footnotetext\TX@trial@ftn
18830         \let\@LTRfootnotetext\TX@trial@ftn
18831         \let\@RTLfootnotetext\TX@trial@ftn
18832         \let\TX@vwarn\@empty
18833         \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18834         \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18835         \def\write{\begingroup
18836             \def\let{\afterassignment\endgroup\toks@}%
18837             \afterassignment\let\count@}%
18838             \hbadness\@M
18839             \hfuzz\maxdimen
18840             \let\hbadness\@tempcnta
18841             \let\hfuzz\@tempdima
18842             \expandafter\tabular\the\toks@
18843             \endtabular}%
18844     \TX@ckpt
18845     \TX@typeout@{\@spaces
18846         \expandafter\TX@align
18847         \the\wd\@tempboxa\space\space\space\space\space\@@
18848         \expandafter\TX@align
18849         \the\TX@col@width\space\space\space\space\space\@@
18850         \@spaces\the\TX@cols}}
18851
18852 \long\def\TX@LTRftntext#1{%
18853     \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18854         [\the\csname c@\@mpfn\endcsname]}}%
18855     \global\TX@ftn\expandafter{\@tempa{#1}}}%
18856 \long\def\TX@xLTRftntext[#1]#2{%
18857     \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18858
18859 \long\def\TX@RTLftntext#1{%
18860     \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext

```



```

18861          [\the\csname c@\mpfn\endcsname}}%
18862   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18863 \long\def\TX@xRTLftntext[#1]#2{%
18864   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}%

```

115 File tabulary-xetex-bidi.def

[illegible]

116 File tc-xetex-bidi.def

```

18895 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX engine]
18896 \def\@cliptoboxdim#1{%
18897     \setbox#1=\hbox{%
18898         \Gin@defaultbp\WIDTH{\wd#1}%
18899         \Gin@defaultbp\DEPTH{\dp#1}%
18900         \@tempdima\ht#1%
18901         \advance\@tempdima\dp#1%
18902         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18903         \beginL\special{pdf:bcontent }%
18904         \special{%
18905             pdf:literal direct
18906             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18907         }%
18908         \special{pdf:literal direct W }%
18909         \special{pdf:literal direct n }%
18910         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18911         \special{pdf:econtent }\endL%

```



```

18912 }%
18913 }

```

117 File tcolorbox-xetex-bidi.def

```

18914 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox package for XeTeX]
18915 \let\endtcbox@lrbox=\endminipage
18916 \let\endtcbox@savebox=\endtcbox@lrbox
18917
18918 \bidi@patchcmd{\tcbox@vbox}{%
18919   \let\@footnotetext\@mpfootnotetext%
18920 }{%
18921   \let\@footnotetext\@mpfootnotetext%
18922   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18923   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18924 }{}{}
18925
18926 \bidi@patchcmd{\endtcbox@vbox}{%
18927   \footnoterule%
18928 }{%
18929   \bidi@mpfootnoterule%
18930 }{}{}
18931 \bidi@apptocmd\tcbox@icolorbox{%
18932   \@bidi@list@minipage@parboxfalse
18933 }{}{}

```

118 File titlesec-xetex-bidi.def

```

18934 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for XeTeX]
18935 \renewcommand\filright{%
18936   \gdef\ttl@filleft##1{\hskip##1}%
18937   \gdef\ttl@filright##1{\hfill}%
18938   \let\\\@centercr
18939   \advance\rightskip\z@ \@plus 1fil
18940   \parfillskip\z@}
18941 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18942   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18943   \setlength\leftskip{#6}%
18944   \setlength\rightskip{#7}%
18945   \interlinepenalty\@M
18946   \ttl@change@centercr
18947   \ttl@begin@longest
18948   #1{\ifhmode\ttl@hmode@error\fi
18949     \ttl@glcmds
18950     \parindent\z@
18951     \leavevmode
18952     \begin@group
18953     \ifttl@label
18954       \box\z@{#2\strut\ttl@calc\hspace{#3}}%
18955       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18956       \llap{\box\z@}%
18957     \fi
18958     #4{#8}%
18959     \kern\z@\strut\@par
18960     \endgroup
18961     \nobreak\ttl@mid@longest#5\@par}%
18962   \ttl@end@longest}

```



119 File titletoc-xetex-bidi.def

```
18963 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for XeTeX]
18964 \renewcommand\filright{%
18965   \gdef\ttl@filleft##1{\hskip##1}%
18966   \gdef\ttl@filright##1{\hfill}%
18967   \let\\\@centercr
18968   \advance\rightskip\z@ \@plus 1fil
18969 \parfillskip\z@}
18970 \renewcommand\contentspush[1]{%
18971   \sbox\z@{#1}%
18972   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18973   \aftergroup\ttl@b
18974   \leavevmode\llap{\box\z@}}
18975 \def\ttl@outnoblock#1#2#3{%
18976   \begingroup
18977   \ifnum\ttl@b>\ttl@a
18978     \nobreak
18979   \else\ifnum\ttl@b<\ttl@a
18980     \addpenalty{\@secpenalty}%
18981   \else
18982     \addpenalty{\z@}%
18983   \fi\fi
18984   \ttl@contentsstretch
18985   \nobreak
18986   \ifcase#1\relax\else\interlinepenalty\@M\fi
18987   \parindent\z@
18988   \ifx\@nil#2%
18989     \PackageError{titletoc}{Unimplemented}%
18990     {The optional argument is currently mandatory}%
18991   \else
18992     \if@RTL\setlength\rightskip{#2}\else
18993     \setlength\leftskip{#2}\fi%
18994   \fi
18995   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18996   \let\contentsmargin\ttl@margin
18997   \def\ttl@makeline##1{##1}%
18998   #3%
18999   \addtolength{\parfillskip}{-\ttl@corr}%
19000   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
19001   \let\ttl@leaders\leaders}
19002 \renewcommand\ttl@margin[2][\z@]{%
19003   \def\ttl@corr{#1}%
19004   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
19005   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
19006   \def\@pnumwidth{#2}}
19007 \let\ttl@savel@part\l@part
19008 \def\l@part{\ttl@lselect{part}}
19009
19010 \let\ttl@savel@chapter\l@chapter
19011 \def\l@chapter{\ttl@lselect{chapter}}
```

120 File tocbibind-xetex-bidi.def

```
19012 \ProvidesFile{tocabibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package for XeTeX]
19013 \if@dotocbib
19014   \ifpackageloaded{natbib}{\% natbib not loaded}
```




```

19015 \renewcommand{\bibsection}{\t@cb@bchapsec}
19016 \renewenvironment{thebibliography}[1]{%
19017 \bibsection
19018 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
19019 \renewenvironment{thebibitemlist}[1]{
19020 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLibitems\RTLtrue\else\fi\fi
19021 \bidi@thebibliography@font@hook%
19022 \list{\@biblabel{\@arabic\c@enumiv}}%
19023 {\settowidth\labelwidth{\@biblabel{#1}}%
19024 \leftmargin\labelwidth
19025 \advance\leftmargin\labelsep
19026 \@openbib@code
19027 \usecounter{enumiv}%
19028 \let\p@enumiv\@empty
19029 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
19030 \sloppy
19031 \clubpenalty4000
19032 \@clubpenalty \clubpenalty
19033 \widowpenalty4000%
19034 \sfcode`. \m}
19035 {\def\@noitemerr
19036 {\@latex@warning{Empty `thebibliography' environment}}%
19037 \endlist}
19038
19039 \@ifpackagewith{chapterbib}{sectionbib}%
19040 {\renewcommand{\sectionbib}[2]{}}%
19041 {}
19042
19043 \fi
19044 \if@inltxdoc\else
19045 \renewenvironment{theindex}%
19046 {\if@twocolumn
19047 \restonecolfalse
19048 \else
19049 \restonecoltrue
19050 \fi
19051 \if@bibchapter
19052 \if@donumindex
19053 \refstepcounter{chapter}
19054 \twocolumn[\vspace*{2\topskip}%
19055 \makechapterhead{\indexname}}%
19056 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
19057 \chaptermark{\indexname}
19058 \else
19059 \if@dotocind
19060 \twocolumn[\vspace*{2\topskip}%
19061 \makechapterhead{\indexname}}%
19062 \prw@mkboth{\indexname}
19063 \addcontentsline{toc}{chapter}{\indexname}
19064 \else
19065 \twocolumn[\vspace*{2\topskip}%
19066 \makechapterhead{\indexname}}%
19067 \prw@mkboth{\indexname}
19068 \fi
19069 \fi
19070 \else
19071 \if@donumindex

```



```

19072         \twocolumn[\vspace*{-1.5\topskip}%
19073             \@nameuse{\@tocextra}{\indexname}]%
19074         \csname \@tocextra mark\endcsname{\indexname}
19075     \else
19076         \if@dotocind
19077             \twocolumn[\vspace*{-1.5\topskip}%
19078                 \toc@headstar{\@tocextra}{\indexname}]%
19079             \prw@mkboth{\indexname}
19080             \addcontentsline{toc}{\@tocextra}{\indexname}
19081         \else
19082             \twocolumn[\vspace*{-1.5\topskip}%
19083                 \toc@headstar{\@tocextra}{\indexname}]%
19084             \prw@mkboth{\indexname}
19085         \fi
19086     \fi
19087 \fi
19088 \thispagestyle{plain}\parindent\z@
19089 \parskip\z@ \@plus .3\p@\relax
19090 \let\item\@idxitem}
19091 {\if@restonecol\onecolumn\else\clearpage\fi}
19092 \fi

```

121 File tocloft-xetex-bidi.def

```

19093 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for XeTeX en
19094 \let\cftdot\@SepMark
19095 \if@cfthaspart
19096 \renewcommand*{\l@part}[2]{
19097     \@cftdopartfalse
19098     \ifnum \c@tocdepth >-2\relax
19099         \ifcfthaschapter
19100             \cftdoparttrue
19101         \fi
19102         \ifnum \c@tocdepth >\m@ne
19103             \ifcfthaschapter\else
19104                 \cftdoparttrue
19105             \fi
19106         \fi
19107     \fi
19108     \if@cftdopart
19109         \ifcfthaschapter
19110             \addpenalty{-\@highpenalty}
19111         \else
19112             \addpenalty\@secpenalty
19113         \fi
19114         \addvspace{\cftbeforepartskip}
19115         \begingroup
19116             {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
19117             \if@RTL\leftskip\else\rightskip\fi \tocrmarg
19118             \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19119             \parindent \cftpartindent\relax\@afterindenttrue
19120             \interlinepenalty\@M
19121             \leavevmode
19122             \@tempdima \cftpartnumwidth\relax
19123             \let\@cftbsnum \cftpartpresnum
19124             \let\@cftasnum \cftpartaftersnum
19125             \let\@cftasnumb \cftpartaftersnumb

```



```

19126      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else
19127      {\cftpartfont \cftpartpresnum #1}
19128      \cftpartfillnum{#2}}
19129      \nobreak
19130      \if@cfthaschapter
19131      \global\@nobreaktrue
19132      \everypar{\global\@nobreakfalse\everypar{}}
19133      \else
19134      \if@compatibility
19135      \global\@nobreaktrue
19136      \everypar{\global\@nobreakfalse\everypar{}}
19137      \fi
19138      \fi
19139      \endgroup
19140      \fi}
19141      \fi
19142      \if@cfthaschapter
19143      \renewcommand*{\l@chapter}[2]{
19144      \ifnum \c@tocdepth >\m@ne
19145      \addpenalty{-\@highpenalty}
19146      \vskip \cftbeforechapskip
19147      {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
19148      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19149      \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19150      \parindent \cftchapindent\relax\@afterindenttrue
19151      \interlinepenalty\@M
19152      \leavevmode
19153      \@tempdima \cftchapnumwidth\relax
19154      \let\@cftbsnum \cftchappresnum
19155      \let\@cftasnum \cftchapaftersnum
19156      \let\@cftasnumb \cftchapaftersnumb
19157      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
19158      {\cftchapfont #1}\nobreak
19159      \cftchapfillnum{#2}}
19160      \fi}
19161      \fi
19162      \renewcommand*{\l@section}[2]{%
19163      \ifnum \c@tocdepth >\z@
19164      \if@cfthaschapter
19165      \vskip \cftbeforesecskip
19166      \else
19167      \addpenalty\@secpenalty
19168      \addvspace{\cftbeforesecskip}
19169      \fi
19170      {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
19171      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19172      \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19173      \parindent \cftsecindent\relax\@afterindenttrue
19174      \interlinepenalty\@M
19175      \leavevmode
19176      \@tempdima \cftsecnumwidth\relax
19177      \let\@cftbsnum \cftsecpresnum
19178      \let\@cftasnum \cftsecaftersnum
19179      \let\@cftasnumb \cftsecaftersnumb
19180      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
19181      {\cftsecfont #1}\nobreak
19182      \cftsecfillnum{#2}}

```



```

19183 \fi}
19184 \renewcommand*{\l@section}[2]{%
19185 \ifnum \c@tocdepth >\@ne
19186 \vskip \cftbeforesubsecskip
19187 {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
19188 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19189 \parfillskip -\if@RTL\leftskip\else\righskip\fi
19190 \parindent \cftsubsecindent\relax\@afterindenttrue
19191 \interlinepenalty\@M
19192 \leavevmode
19193 \@tempdima \cftsubsecnumwidth\relax
19194 \let\@cftbsnum \cftsubsecpresnum
19195 \let\@cftasnum \cftsubsecaftersnum
19196 \let\@cftasnumb \cftsubsecaftersnumb
19197 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\
19198 {\cftsubsecfont #1}\nobreak
19199 \cftsubsecfillnum{#2}}
19200 \fi}
19201 \renewcommand*{\l@subsubsection}[2]{%
19202 \ifnum \c@tocdepth >\tw@
19203 \vskip \cftbeforesubsubsecskip
19204 {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
19205 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19206 \parfillskip -\if@RTL\leftskip\else\righskip\fi
19207 \parindent \cftsubsubsecindent\relax\@afterindenttrue
19208 \interlinepenalty\@M
19209 \leavevmode
19210 \@tempdima \cftsubsubsecnumwidth\relax
19211 \let\@cftbsnum \cftsubsubsecpresnum
19212 \let\@cftasnum \cftsubsubsecaftersnum
19213 \let\@cftasnumb \cftsubsubsecaftersnumb
19214 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\
19215 {\cftsubsubsecfont #1}\nobreak
19216 \cftsubsubsecfillnum{#2}}
19217 \fi}
19218 \renewcommand*{\l@paragraph}[2]{%
19219 \ifnum \c@tocdepth >3\relax
19220 \vskip \cftbeforeparaskip
19221 {\if@RTL\righskip\else\leftskip\fi \cftparaindent\relax
19222 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19223 \parfillskip -\if@RTL\leftskip\else\righskip\fi
19224 \parindent \cftparaindent\relax\@afterindenttrue
19225 \interlinepenalty\@M
19226 \leavevmode
19227 \@tempdima \cftparanumwidth\relax
19228 \let\@cftbsnum \cftparapresnum
19229 \let\@cftasnum \cftparaaftersnum
19230 \let\@cftasnumb \cftparaaftersnumb
19231 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\
19232 {\cftparafont #1}\nobreak
19233 \cftparafillnum{#2}}
19234 \fi}
19235 \renewcommand*{\l@subparagraph}[2]{%
19236 \ifnum \c@tocdepth >4\relax
19237 \vskip \cftbeforesubparaskip
19238 {\if@RTL\righskip\else\leftskip\fi \cftsubparaindent\relax
19239 \if@RTL\leftskip\else\righskip\fi \@tocrmarg

```



```

19240 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19241 \parindent \cftsubparindent\relax\@afterindenttrue
19242 \interlinepenalty\@M
19243 \leavevmode
19244 \@tempdima \cftsubparanumwidth\relax
19245 \let\@cftbsnum \cftsubparapresnum
19246 \let\@cftasnum \cftsubparaaftersnum
19247 \let\@cftasnumb \cftsubparaaftersnumb
19248 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\
19249 {\cftsubparafont #1}\nobreak
19250 \cftsubparafillnum{#2}}
19251 \fi}
19252 \renewcommand*{\l@figure}[2]{%
19253 \ifnum \c@lofdepth >\z@
19254 \vskip \cftbeforefigskip
19255 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
19256 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19257 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19258 \parindent \cftfigindent\relax\@afterindenttrue
19259 \interlinepenalty\@M
19260 \leavevmode
19261 \@tempdima \cftfignumwidth\relax
19262 \let\@cftbsnum \cftfigpresnum
19263 \let\@cftasnum \cftfigaftersnum
19264 \let\@cftasnumb \cftfigaftersnumb
19265 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\
19266 {\cftfigfont #1}\nobreak
19267 \cftfigfillnum{#2}}
19268 \fi
19269 }
19270 \renewcommand*{\l@table}[2]{%
19271 \ifnum\c@lotdepth >\z@
19272 \vskip \cftbeforetabskip
19273 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
19274 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19275 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19276 \parindent \cfttabindent\relax\@afterindenttrue
19277 \interlinepenalty\@M
19278 \leavevmode
19279 \@tempdima \cfttabnumwidth\relax
19280 \let\@cftbsnum \cfttabpresnum
19281 \let\@cftasnum \cfttabaftersnum
19282 \let\@cftasnumb \cfttabaftersnumb
19283 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\
19284 {\cfttabfont #1}\nobreak
19285 \cfttabfillnum{#2}}
19286 \fi
19287 }
19288 \renewcommand{\@cftl@subfig}{
19289 \renewcommand*{\l@subfigure}[2]{%
19290 \ifnum \c@lofdepth > \toclevel@subfigure
19291 \vskip \cftbeforesubfigskip
19292 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
19293 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19294 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19295 \parindent \cftsubfigindent\relax\@afterindenttrue
19296 \interlinepenalty\@M

```



```

19297 \leavevmode
19298 \@tempdima \cftsubfignumwidth\relax
19299 \let\@cftbsnum \cftsubfigpresnum
19300 \let\@cftasnum \cftsubfigaftersnum
19301 \let\@cftasnumb \cftsubfigaftersnumb
19302 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\
19303 {\cftsubfigfont ##1}\nobreak
19304 \cftsubfigfillnum{##2}}
19305 \fi
19306 }
19307 }
19308 \renewcommand{\@cftl@subtab}{
19309 \renewcommand*{\l@subtable}[2]{%
19310 \ifnum \c@lotdepth > \toclevel@subtable
19311 \vskip \cftbeforestabskip
19312 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
19313 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19314 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19315 \parindent \cftsubtabindent\relax\@afterindenttrue
19316 \interlinepenalty\@M
19317 \leavevmode
19318 \@tempdima \cftsubtabnumwidth\relax
19319 \let\@cftbsnum \cftsubtabpresnum
19320 \let\@cftasnum \cftsubtabaftersnum
19321 \let\@cftasnumb \cftsubtabaftersnumb
19322 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\
19323 {\cftsubtabfont ##1}\nobreak
19324 \cftsubtabfillnum{##2}}
19325 \fi
19326 }
19327 }
19328 \renewcommand{\newlistentry}[4][\@empty]{%
19329 \@ifundefined{c@#2}{% check & set the counter
19330 \ifx \@empty#1\relax
19331 \newcounter{#2}
19332 \else
19333 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19334 {#1 has no counter for use as a `within'}}
19335 \newcounter{#2}}%
19336 {\newcounter{#2}[#1}%
19337 \expandafter\edef\csname the#2\endcsname{%
19338 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19339 \fi
19340 \setcounter{#2}{0}
19341 }
19342 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19343
19344 \@namedef{l@#2}##1##2{%
19345 \ifnum \@nameuse{c@#3depth} > #4\relax
19346 \vskip \@nameuse{cftbefore#2skip}
19347 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19348 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19349 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19350 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19351 \interlinepenalty\@M
19352 \leavevmode
19353 \@tempdima \@nameuse{cft#2numwidth}\relax

```



```

19354 \expandafter\let\expandafter\cftbsnum\csname cft#2presnum\endcsname
19355 \expandafter\let\expandafter\cftasnum\csname cft#2aftersnum\endcsname
19356 \expandafter\let\expandafter\cftasnumb\csname cft#2aftersnumb\endcsname
19357 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else
19358 {\@nameuse{cft#2font}##1}\nobreak
19359 \@nameuse{cft#2fillnum}{##2}}
19360 \fi
19361 } % end of \l@#2
19362
19363 \expandafter\newlength\csname cftbefore#2skip\endcsname
19364 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19365 \expandafter\newlength\csname cft#2indent\endcsname
19366 \expandafter\newlength\csname cft#2numwidth\endcsname
19367 \ifcase #4\relax % 0
19368 \setlength{\@nameuse{cft#2indent}}{0em}
19369 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19370 \or % 1
19371 \setlength{\@nameuse{cft#2indent}}{1.5em}
19372 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19373 \or % 2
19374 \setlength{\@nameuse{cft#2indent}}{3.8em}
19375 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19376 \or % 3
19377 \setlength{\@nameuse{cft#2indent}}{7.0em}
19378 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19379 \else % anything else
19380 \setlength{\@nameuse{cft#2indent}}{10.0em}
19381 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19382 \fi
19383 \@namedef{cft#2font}{\normalfont}
19384 \@namedef{cft#2presnum}{\}
19385 \@namedef{cft#2aftersnum}{\}
19386 \@namedef{cft#2aftersnumb}{\}
19387 \@namedef{cft#2dotsep}{\cftdotsep}
19388 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19389 \@namedef{cft#2pagefont}{\normalfont}
19390 \@namedef{cft#2afterpnum}{\}
19391 \@namedef{toclevel@#2}{#4}
19392 \@namedef{cft#2fillnum}##1{%
19393 {\@nameuse{cft#2leader}}\nobreak
19394 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19395 } % end \newlistentry
19396 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
19397 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
19398 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19399 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
19400 \textit{#1}\protect\par}}}}

```

122 File tocbasic-xetex-bidi.def

```

19401 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package for XeTeX]
19402 \bidi@undef\scr@dte@def@l@undottedtocline
19403 \bidi@undef\scr@dte@undottedtocline@init
19404 \DeclareTOCEntryStyle{undottedtocline}[{%
19405 \DefineTOCEntryLengthOption{indent}%
19406 {\scr@tso@}{@indent}{entry indent}%
19407 \DefineTOCEntryLengthOption{numwidth}%

```



```

19408 {scr@tso@}{@numwidth}{entry number width}%
19409 \@ifundefined{#1tocdepth}{%
19410 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19411 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19412 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19413 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19414 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19415 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19416 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19417 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19418 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19419 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19420 \csname #1numdepth\endcsname
19421 }%
19422 }%
19423 }%
19424 }%
19425 }%
19426 }%
19427 }%
19428 }%
19429 }%
19430 }{}%
19431 \@ifundefined{scr@tso@#1@indent}{%
19432 \@ifundefined{scr@#1@tocindent}{%
19433 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19434 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19435 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19436 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19437 \scr@ifundefinedorrelax{1@chapter}{%
19438 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19439 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19440 \ifstr{#1}{subsubsection}{%
19441 \@namedef{scr@tso@#1@indent}{3.8em}%
19442 }%
19443 \ifstr{#1}{paragraph}{%
19444 \@namedef{scr@tso@#1@indent}{7em}%
19445 }%
19446 \ifstr{#1}{subparagraph}{%
19447 \@namedef{scr@tso@#1@indent}{10em}%
19448 }%
19449 }%
19450 }%
19451 }%
19452 }%
19453 }%
19454 }{}%
19455 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19456 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19457 \ifstr{#1}{subsubsection}{%
19458 \@namedef{scr@tso@#1@indent}{7.0em}%
19459 }%
19460 \ifstr{#1}{paragraph}{%
19461 \@namedef{scr@tso@#1@indent}{10em}%
19462 }%
19463 \ifstr{#1}{subparagraph}{%
19464 \@namedef{scr@tso@#1@indent}{12em}%

```




```

19465             }{%
19466             }%
19467             }%
19468             }%
19469             }%
19470             }%
19471             }%
19472             }%
19473             }%
19474             }%
19475             }%
19476         }{%
19477         \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19478         }%
19479     }{%
19480     \@ifundefined{scr@tso@#1@numwidth}{%
19481     \@ifundefined{scr@#1@tocnumwidth}{%
19482     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19483     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19484     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19485     \scr@ifundefinedorrelax{chapter}{%
19486     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19487     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19488     \ifstr{#1}{subsubsection}{%
19489     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19490     }{%
19491     \ifstr{#1}{paragraph}{%
19492     \@namedef{scr@tso@#1@numwidth}{4.1em}%
19493     }{%
19494     \ifstr{#1}{subparagraph}{%
19495     \@namedef{scr@tso@#1@numwidth}{5m}%
19496     }{%
19497     }%
19498     }%
19499     }%
19500     }%
19501     }%
19502     }{%
19503     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19504     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19505     \ifstr{#1}{subsubsection}{%
19506     \@namedef{scr@tso@#1@numwidth}{3.1em}%
19507     }{%
19508     \ifstr{#1}{paragraph}{%
19509     \@namedef{scr@tso@#1@numwidth}{5em}%
19510     }{%
19511     \ifstr{#1}{subparagraph}{%
19512     \@namedef{scr@tso@#1@numwidth}{6em}%
19513     }{%
19514     }%
19515     }%
19516     }%
19517     }%
19518     }%
19519     }%
19520     }%
19521     }%

```



```

19522     }%
19523   }{%
19524     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19525   }%
19526 }{}%
19527 }}{%
19528   \ifnum \c@tocdepth >\numexpr \@nameuse{#1@tocdepth}-\@ne\relax
19529     \ifnum \@nameuse{#1@tocdepth}<\@ne
19530       \scr@ifundefinedorrelax{chapter}{%
19531         \addpenalty\@secpenalty
19532         \addvspace{1.0em \@plus\p@}%
19533       }{%
19534         \addpenalty{-\@highpenalty}%
19535         \vskip 1.0em \@plus\p@
19536       }%
19537     \else
19538       \addpenalty\@secpenalty
19539       \addvspace{1.0em \@plus\p@}%
19540     \fi
19541     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19542     \begingroup
19543       \parindent \z@ \bidi@rightskip \@pnumwidth
19544       \parfillskip -\@pnumwidth
19545       \leavevmode
19546       \bfseries
19547       \advance\bidi@leftskip\@tempdima
19548       \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19549       \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19550       ##1%
19551       \nobreak
19552       \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19553       \par
19554       \penalty\@highpenalty
19555     \endgroup
19556   \fi
19557 }
19558
19559 \bidi@undef\scr@dte@def@l@argetocline
19560 \bidi@undef\scr@dte@largetocline@init
19561 \DeclareTOCEntryStyle{largetocline}[{%
19562   \DefineTOCEntryLengthOption{indent}%
19563   {scr@tso@}{@indent}{entry indent}%
19564   \@ifundefined{#1@tocdepth}{%
19565     \ifstr{#1}{part}{\@namedef{#1@tocdepth}{-1}}{%
19566       \ifstr{#1}{chapter}{\@namedef{#1@tocdepth}{0}}{%
19567         \ifstr{#1}{section}{\@namedef{#1@tocdepth}{1}}{%
19568           \ifstr{#1}{subsection}{\@namedef{#1@tocdepth}{2}}{%
19569             \ifstr{#1}{subsubsection}{\@namedef{#1@tocdepth}{3}}{%
19570               \ifstr{#1}{paragraph}{\@namedef{#1@tocdepth}{4}}{%
19571                 \ifstr{#1}{subparagraph}{\@namedef{#1@tocdepth}{5}}{%
19572                   \ifstr{#1}{figure}{\@namedef{#1@tocdepth}{1}}{%
19573                     \ifstr{#1}{table}{\@namedef{#1@tocdepth}{1}}{%
19574                       \expandafter\let\csname #1@tocdepth\expandafter\endcsname
19575                         \csname #1numdepth\endcsname
19576                     }%
19577                   }%
19578                 }%

```



```

19579         }%
19580     }%
19581 }%
19582 }%
19583 }%
19584 }%
19585 }{}%
19586 \@ifundefined{scr@tso@#1@indent}{%
19587     \@ifundefined{scr@#1@tocindent}{%
19588         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19589             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19590                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19591                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19592                         \scr@ifundefinedorrelax{1@chapter}{%
19593                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19594                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19595                                     \ifstr{#1}{subsubsection}{%
19596                                         \@namedef{scr@tso@#1@indent}{3.8em}%
19597                                     }{%
19598                                         \ifstr{#1}{paragraph}{%
19599                                             \@namedef{scr@tso@#1@indent}{7em}%
19600                                         }{%
19601                                             \ifstr{#1}{subparagraph}{%
19602                                                 \@namedef{scr@tso@#1@indent}{10em}%
19603                                             }{%
19604                                                 }%
19605                                             }%
19606                                         }%
19607                                     }%
19608                                 }%
19609                             }{%
19610                                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19611                                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19612                                         \ifstr{#1}{subsubsection}{%
19613                                             \@namedef{scr@tso@#1@indent}{7.0em}%
19614                                         }{%
19615                                             \ifstr{#1}{paragraph}{%
19616                                                 \@namedef{scr@tso@#1@indent}{10em}%
19617                                             }{%
19618                                                 \ifstr{#1}{subparagraph}{%
19619                                                     \@namedef{scr@tso@#1@indent}{12em}%
19620                                                 }{%
19621                                                     }%
19622                                                 }%
19623                                             }%
19624                                         }%
19625                                     }%
19626                                 }%
19627                             }%
19628                         }%
19629                     }%
19630                 }%
19631             }{%
19632                 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19633             }%
19634         }{}%
19635     }{}%

```



```

19636 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19637 \ifnum \@nameuse{#1tocdepth}<\@ne
19638 \scr@ifundefinedorrelax{chapter}{%
19639 \addpenalty\@secpenalty
19640 \addvspace{2.25em \@plus\p@}%
19641 }{%
19642 \addpenalty{-\@highpenalty}%
19643 \addvspace{2.25em \@plus\p@}%
19644 }%
19645 \else
19646 \addpenalty\@secpenalty
19647 \addvspace{2.25em \@plus\p@}%
19648 \fi
19649 \setlength\@tempdima{3em}%
19650 \begingroup
19651 \parindent \z@ \bidi@rightskip \@pnumwidth
19652 \parfillskip -\@pnumwidth
19653 \leavevmode
19654 \large
19655 \bfseries
19656 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19657 ##1%
19658 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19659 \par
19660 \nobreak
19661 \ifnum 0=
19662 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19663 \global\@nobreaktrue
19664 \everypar{\global\@nobreakfalse\everypar{}}%
19665 \fi
19666 \endgroup
19667 \fi
19668 }
19669
19670 \renewcommand*{\scr@dte@tocline}[3]{%
19671 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19672 \else
19673 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19674 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19675 {%
19676 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19677 \bidi@rightskip \@tocrmarg
19678 \parfillskip -\bidi@rightskip
19679 \@nameuse{Ifscr@tso@#1@raggedpage}{%
19680 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19681 }{}%
19682 \parindent \@nameuse{scr@tso@#1@indent}\relax
19683 \@afterindenttrue
19684 \interlinepenalty\M
19685 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19686 \addtolength\bidi@rightskip\@flushglue
19687 \else
19688 \def\reserved@a{\raggedright}%
19689 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19690 \addtolength\bidi@rightskip\@flushglue
19691 \else
19692 \renewcommand\reserved@a{\raggedright}%

```



```

19693         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19694         \addtolength\bidirightskip\@flushglue
19695     \fi
19696 \fi
19697 \fi
19698 \leavevmode
19699 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19700 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19701     \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
19702     \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19703         \@tempdima \@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19704     \fi
19705 }%
19706 }{}%
19707 \advance\bidileftskip \@tempdima
19708 \null\nobreak\hskip -\bidileftskip
19709 {%
19710     \usetocbasicnumberline
19711     \let\scr@dte@numberline@box\numberline@box
19712     \def\numberline@box##1{%
19713         \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
19714         \global\scr@dte@tocline@numberwidth
19715         \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19716         \ifdim \scr@dte@tocline@numberwidth
19717             >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19718             \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19719         \fi
19720         \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
19721         \ifdim \scr@dte@tocline@numberwidth
19722             >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19723                 +\@nameuse{scr@tso@#1@numsep}\relax
19724         \PackageWarning{tocbasic}%
19725     }{%
19726         number width of #1 toc entries should be
19727         increased!\MessageBreak
19728         Currently used number width =
19729         \the\wd\scr@dte@tocline@numbox,\MessageBreak
19730         Wanted number separation
19731         \space\space\space =
19732         \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19733         Reserved number width \space\space\space\space\space\space =
19734         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19735     }%
19736 \fi
19737 }%
19738 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
19739 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19740     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidileftskip
19741 }{}%
19742 }%
19743 \@nameuse{scr@tso@#1@entryformat}{%
19744     #2%
19745     \nobreak
19746     {%
19747         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
19748         \nobreak
19749         \@nameuse{scr@tso@#1@pagenumberbox}{%

```



```

19750         \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
19751     }%
19752 }%
19753 \@par
19754 }%
19755 }%
19756 }%
19757 \tocbasic@SetPenaltyByTOCLevel{#1}%
19758 \fi
19759 }
19760
19761 \bidi@undef\scr@dte@def@l@tocline
19762 \bidi@undef\scr@dte@tocline@init
19763 \DeclareTOCEntryStyle{tocline}{%
19764     \DefineTOCEntryLengthOption{beforeskip}%
19765     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19766     \DefineTOCEntryIfOption{breakafternumber}%
19767     {scr@tso@}{@breakafternumber}{line break after number flag}%
19768     \DefineTOCEntryIfOption{dynnumwidth}%
19769     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19770     \DefineTOCEntryCommandOption{entryformat}%
19771     {scr@tso@}{@entryformat}[1]{entry format}%
19772     \DefineTOCEntryCommandOption{entrynumberformat}%
19773     {scr@tso@}{@numberformat}[1]{entry number format}%
19774     \DefineTOCEntryCommandOption{linefill}{\TOCLineLeaderFill}%
19775     {scr@tso@}{@linefill}{filling between text and page number}%
19776     \DefineTOCEntryLengthOption{numsep}%
19777     {scr@tso@}{@numsep}{entry number separation}%
19778     \DefineTOCEntryCommandOption{onstarthigherlevel}%
19779     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19780     \DefineTOCEntryCommandOption{onstartlowerlevel}%
19781     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19782     \DefineTOCEntryCommandOption{onstartsamelevel}%
19783     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19784     \DefineTOCEntryCommandOption{pagenumberbox}%
19785     {scr@tso@}{@pagenumberbox}[1]{page number box}%
19786     \DefineTOCEntryCommandOption{pagenumberformat}%
19787     {scr@tso@}{@pagenumberformat}[1]{page number format}%
19788     \DefineTOCEntryOption{raggedentrytext}[true]{%
19789         \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19790         \ifx\FamilyKeyState\FamilyKeyStateProcessed
19791             \if@tempswa
19792                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19793                 \raggedright
19794             \else
19795                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19796                 \relax
19797             \fi
19798         \fi
19799     }%
19800     \DefineTOCEntryIfOption{raggedpagenumber}%
19801     {scr@tso@}{@raggedpage}{page number ragged flag}%
19802     \DefineTOCEntryLengthOption{indent}%
19803     {scr@tso@}{@indent}{entry indent}%
19804     \DefineTOCEntryLengthOption{numwidth}%
19805     {scr@tso@}{@numwidth}{entry number width}%
19806     \scr@ifundefinedorrelax{#1tocdepth}{%

```



```

19807 \ifstrstart{#1}{sub}{%
19808 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{-1}}{%
19809 \expandafter\edef\csname #1tocdepth\endcsname{%
19810 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19811 }%
19812 }%
19813 }{}%
19814 }{}%
19815 \@ifundefined{#1tocdepth}{%
19816 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19817 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19818 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19819 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19820 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19821 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19822 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19823 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19824 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19825 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19826 \csname #1numdepth\endcsname
19827 }%
19828 }%
19829 }%
19830 }%
19831 }%
19832 }%
19833 }%
19834 }%
19835 }%
19836 }{}%
19837 \scr@ifundefinedorrelax{\scr@tso@#1@indent}{%
19838 \@ifundefined{\scr@#1@tocindent}{%
19839 \ifstrstart{#1}{sub}{%
19840 \scr@ifundefinedorrelax{\scr@tso@\scr@dte@nosub{#1}@indent}{%
19841 \scr@ifundefinedorrelax{\scr@tso@\scr@dte@nosub{#1}@numwidth}{-1}}{%
19842 \expandafter\edef\csname \scr@tso@#1@indent\endcsname{%
19843 \glueexpr \noexpand\@nameuse{\scr@tso@\scr@dte@nosub{#1}@numwidth}%
19844 \relax
19845 }%
19846 }%
19847 }{}%
19848 \scr@ifundefinedorrelax{\scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19849 \expandafter\edef\csname \scr@tso@#1@indent\endcsname{%
19850 \glueexpr \noexpand\@nameuse{\scr@tso@\scr@dte@nosub{#1}@indent}%
19851 \relax
19852 }%
19853 }{}%
19854 \expandafter\edef\csname \scr@tso@#1@indent\endcsname{%
19855 \glueexpr \noexpand\@nameuse{\scr@tso@\scr@dte@nosub{#1}@indent}%
19856 +\noexpand\@nameuse{\scr@tso@\scr@dte@nosub{#1}@numwidth}%
19857 \relax
19858 }%
19859 }%
19860 }%
19861 }{}%
19862 }{}%
19863 \@namedef{\scr@tso@#1@indent}{\@nameuse{\scr@#1@tocindent}}%

```



```

19864 }%
19865 }{}%
19866 \@ifundefined{scr@tso@#1@indent}{%
19867   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19868     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19869       \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19870         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19871           \scr@ifundefinedorrelax{1@chapter}{%
19872             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19873               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19874                 \ifstr{#1}{subsubsection}{%
19875                   \@namedef{scr@tso@#1@indent}{3.8em}%
19876                 }{%
19877                   \ifstr{#1}{paragraph}{%
19878                     \@namedef{scr@tso@#1@indent}{7em}%
19879                   }{%
19880                     \ifstr{#1}{subparagraph}{%
19881                       \@namedef{scr@tso@#1@indent}{10em}%
19882                     }{%
19883                       }%
19884                     }%
19885                   }%
19886                 }%
19887               }%
19888             }{%
19889               \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19890                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19891                   \ifstr{#1}{subsubsection}{%
19892                     \@namedef{scr@tso@#1@indent}{7.0em}%
19893                   }{%
19894                     \ifstr{#1}{paragraph}{%
19895                       \@namedef{scr@tso@#1@indent}{10em}%
19896                     }{%
19897                       \ifstr{#1}{subparagraph}{%
19898                         \@namedef{scr@tso@#1@indent}{12em}%
19899                       }{%
19900                         }%
19901                       }%
19902                     }%
19903                   }%
19904                 }%
19905               }%
19906             }%
19907           }%
19908         }%
19909       }%
19910     }{}%
19911   \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19912     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19913       \ifstrstart{#1}{sub}{%
19914         \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@numwidth}{}%
19915         \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19916           \glueexpr\noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
19917             +.9em%
19918         }%
19919       }%
19920     }%

```




```

19921     }{}%
19922   }{%
19923     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19924   }%
19925 }{}%
19926 \@ifundefined{scr@tso@#1@numwidth}{%
19927   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19928     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19929       \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19930         \scr@ifundefinedorrelax{chapter}{%
19931           \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19932             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19933               \ifstr{#1}{subsubsection}{%
19934                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19935               }{%
19936                 \ifstr{#1}{paragraph}{%
19937                   \@namedef{scr@tso@#1@numwidth}{4.1em}%
19938                 }{%
19939                   \ifstr{#1}{subparagraph}{%
19940                     \@namedef{scr@tso@#1@numwidth}{5em}%
19941                   }{%
19942                     }%
19943                   }%
19944                 }%
19945               }%
19946             }%
19947           }{%
19948             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19949               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19950                 \ifstr{#1}{subsubsection}{%
19951                   \@namedef{scr@tso@#1@numwidth}{3.1em}%
19952                 }{%
19953                   \ifstr{#1}{paragraph}{%
19954                     \@namedef{scr@tso@#1@numwidth}{5em}%
19955                   }{%
19956                     \ifstr{#1}{subparagraph}{%
19957                       \@namedef{scr@tso@#1@numwidth}{6em}%
19958                     }{%
19959                       }%
19960                     }%
19961                   }%
19962                 }%
19963               }%
19964             }%
19965           }%
19966         }%
19967       }%
19968     }{}%
19969   \expandafter\renewcommand%
19970   \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19971   \expandafter\renewcommand%
19972   \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19973   \expandafter\renewcommand%
19974   \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19975   \@ifundefined{scr@tso@#1@beforeskip}{%
19976     \ifstr{#1}{part}{%
19977       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%

```



```

19978 }{%
19979 \ifstr{#1}{chapter}{%
19980 \namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
19981 }{%
19982 \ifstr{#1}{section}{%
19983 \scr@ifundefinedorrelax{1@chapter}{%
19984 \namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
19985 }{}%
19986 }{}%
19987 }%
19988 }%
19989 \expandafter\renewcommand\expandafter*%
19990 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@ \relax}%
19991 }{}%
19992 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19993 \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19994 \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19995 }{}%
19996 \renewcommand*{\scr@dte@donumwidth}{}%
19997 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19998 \expandafter\renewcommand\expandafter*%
19999 \csname scr@tso@#1@numsep\endcsname{.4em}%
20000 \expandafter\renewcommand%
20001 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
20002 \ifstr{#1}{part}{%
20003 \expandafter\renewcommand%
20004 \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
20005 }{%
20006 \ifstr{#1}{chapter}{%
20007 \expandafter\renewcommand%
20008 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20009 }{%
20010 \scr@ifundefinedorrelax{1@chapter}{%
20011 \ifstr{#1}{section}{%
20012 \expandafter\renewcommand%
20013 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20014 }{}%
20015 }{}%
20016 \expandafter\renewcommand%
20017 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
20018 }%
20019 }%
20020 \expandafter\renewcommand
20021 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
20022 \@ifundefined{scr@tso@#1@linefill}{%
20023 \ifstr{#1}{part}{%
20024 \namedef{scr@tso@#1@linefill}{\hfill}%
20025 }{%
20026 \ifstr{#1}{chapter}{%
20027 \namedef{scr@tso@#1@linefill}{\hfill}%
20028 }{%
20029 \scr@ifundefinedorrelax{1@chapter}{%
20030 \ifstr{#1}{section}{%
20031 \namedef{scr@tso@#1@linefill}{\hfill}%
20032 }{}
20033 }{}
20034 \expandafter\renewcommand%

```



```

20035         \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20036     }%
20037 }%
20038 }{}%
20039 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
20040 \ifstr{#1}{part}{%
20041     \expandafter\renewcommand%
20042     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
20043 }{%
20044     \expandafter\renewcommand%
20045     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20046         {\normalfont\normalcolor ##1}}%
20047 }%
20048 \expandafter\renewcommand%
20049 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
20050     \hb@xt@{\pnumwidth{\hfil ##1}}%
20051 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
20052 }{}%
20053 \scr@dte@tocline{#1}{##1}{##2}%
20054 }
20055

```

123 File tocstyle-xetex-bidi.def

```

20056 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for XeTeX
20057 \renewcommand*{\tocstyle@dottedtocline}[5]{%
20058     \let\numberline\tocstyle@numberline
20059     \ifnum #1>\c@tocdepth \else
20060         \if@tocstyle@penalties
20061             \begingroup
20062                 \@tempcnta 20010
20063                 \advance \@tempcnta by -#1
20064                 \ifnum \@tempcnta>\lastpenalty
20065                     \aftergroup\penalty\aftergroup\@lowpenalty
20066                 \fi
20067             \endgroup
20068         \fi
20069         \edef\tocstyledepth{#1}%
20070         \tocstyle@activate@features
20071         \ifx\tocstyle@feature@entryvskip\relax
20072             \vskip \z@ \@plus.2\p@
20073         \else
20074             \addvspace{\tocstyle@feature@entryvskip}%
20075         \fi
20076     {%
20077         \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
20078         \tocstyle@feature@raggedhook
20079         \@tempdima #3\relax
20080         \@tempdimb #2\relax
20081         \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20082         \ifnum #1>\z@\relax
20083             \@tempcnta #1\relax \advance\@tempcnta \m@ne
20084             \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20085                 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20086                     \@tempdimb
20087                 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20088                 \advance\@tempdimb

```



```

20089         \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20090     \fi
20091 \fi
20092 \fi
20093 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20094 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20095     \ifdim \@tempdimb>
20096         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20097         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20098             @#1\endcsname{\the\@tempdimb}%
20099     \fi
20100 \else
20101     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20102         @#1\endcsname{\the\@tempdimb}%
20103 \fi
20104 \iftocstyle@autolength
20105     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20106         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20107         \relax
20108     \fi
20109     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20110         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20111         \relax
20112     \fi
20113     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20114     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20115 \else
20116     \@tempdimb #2\relax
20117     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20118 \fi
20119 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20120     \ifdim \@tempdima>
20121         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20122         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20123             @\endcsname{\the\@tempdima}%
20124     \fi
20125 \else
20126     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20127         @\endcsname{\the\@tempdima}%
20128 \fi
20129 \ifcase\tocstyle@indentstyle\relax\else
20130     \@tempdimb \z@
20131     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20132         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20133         \relax
20134     \fi
20135     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20136     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20137 \fi
20138 \advance\parindent \@tempdimb\@afterindenttrue
20139 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
20140 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
20141 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20142 \ifx\tocstyle@feature@parfillskip\relax\else
20143     \advance\parfillskip \tocstyle@feature@parfillskip\relax
20144 \fi
20145 \interlinepenalty\@M

```



```

20146 \leavevmode
20147 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
20148 \null\nobreak
20149 \iftocstyle@indentnotnumbered\else
20150 \hskip -\if@RTL\rightskip\else\leftskip\fi
20151 \fi
20152 \tocstyle@feature@entryhook
20153 {#4}\nobreak
20154 \ifx\tocstyle@feature@leaders\relax
20155 \leaders\hbox{$\m@th
20156 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
20157 \mkern \@dotsep mu$}\hfill
20158 \else
20159 \tocstyle@feature@leaders
20160 \fi
20161 \nobreak
20162 \ifx\tocstyle@feature@pagenumberbox\relax
20163 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
20164 \else
20165 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20166 \fi
20167 \par
20168 }%
20169 \if@tocstyle@penalties
20170 \bgroup
20171 \@tempcnta 20009
20172 \advance\@tempcnta by -#1
20173 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
20174 \reserved@a
20175 \fi
20176 \fi}
20177 \renewcommand*{\tocstyle@numberline}[1]{%
20178 \beginngroup
20179 \ifx\tocstyle@feature@spaceafternumber\relax
20180 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
20181 \else
20182 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
20183 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20184 \fi
20185 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20186 \ifdim \@tempdima >
20187 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20188 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20189 @\tocstyledepth\endcsname{\the\@tempdima}%
20190 \fi
20191 \else
20192 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20193 @\tocstyledepth\endcsname{\the\@tempdima}%
20194 \fi
20195 \endgroup
20196 \iftocstyle@indentnotnumbered
20197 \hskip -\if@RTL\rightskip\else\leftskip\fi
20198 \fi
20199 \ifcase \tocstyle@indentstyle
20200 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20201 \or
20202 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%

```



```

20203 \else
20204 \ifx\tocstyle@feature@spaceafternumber\relax
20205 \hbox{\tocstyle@numberline{#1}\enskip}%
20206 \else
20207 \hbox{\tocstyle@numberline{#1}\hskip
20208 \tocstyle@feature@spaceafternumber\relax}%
20209 \fi
20210 \fi
20211 }
20212 \AtBeginDocument{%
20213 \ifcsname l@part\endcsname
20214 \ifcsname l@chapter\endcsname
20215 \setbox\@tempboxa\vbox{\hsize\maxdimen
20216 \l@part{\tocstyle@l@define{part}{-1}}{}}%
20217 \else
20218 \setbox\@tempboxa\vbox{\hsize\maxdimen
20219 \l@part{\tocstyle@l@define{part}{0}}{}}%
20220 \fi
20221 \fi
20222 \ifcsname l@chapter\endcsname
20223 \setbox\@tempboxa\vbox{\hsize\maxdimen
20224 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
20225 \fi
20226 \ifcsname l@section\endcsname
20227 \setbox\@tempboxa\vbox{\hsize\maxdimen
20228 \l@section{\tocstyle@l@define{section}{1}}{}}%
20229 \fi
20230 \ifcsname l@subsection\endcsname
20231 \setbox\@tempboxa\vbox{\hsize\maxdimen
20232 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
20233 \fi
20234 \ifcsname l@subsubsection\endcsname
20235 \setbox\@tempboxa\vbox{\hsize\maxdimen
20236 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
20237 \fi
20238 \ifcsname l@paragraph\endcsname
20239 \setbox\@tempboxa\vbox{\hsize\maxdimen
20240 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
20241 \fi
20242 \ifcsname l@subparagraph\endcsname
20243 \setbox\@tempboxa\vbox{\hsize\maxdimen
20244 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
20245 \fi
20246 \ifcsname l@table\endcsname
20247 \setbox\@tempboxa\vbox{\hsize\maxdimen
20248 \l@table{\tocstyle@l@define{table}{1}}{}}%
20249 \fi
20250 \ifcsname l@figure\endcsname
20251 \setbox\@tempboxa\vbox{\hsize\maxdimen
20252 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
20253 \fi
20254 \def\@tempa#1#2#3#4#5{%
20255 \ifnum #1>\c@tocdepth \else
20256 \vskip \z@ \@plus.2\p@
20257 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg \parfi
20258 \parindent #2\relax\@afterindenttrue
20259 \interlinepenalty\@M

```



```

20260 \leavevmode
20261 \@tempdima #3\relax
20262 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\els
20263 {#4}\nobreak
20264 \leaders\hbox{$\m@th
20265 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20266 mu$}\hfill
20267 \nobreak
20268 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
20269 \par}%
20270 \fi}%
20271 \ifx\@dottedtocline\@tempa\else
20272 \tocstyle@macrochangewarning\@dottedtocline
20273 \fi
20274 \let\tocstyle@saved@dottedtocline\@dottedtocline
20275 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
20276 \ifx\numberline\@tempa\else
20277 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
20278 \ifx\numberline\@tempa\else
20279 \tocstyle@macrochangewarning\numberline
20280 \fi
20281 \fi
20282 \let\tocstyle@saved@numberline\numberline
20283 }
20284 \renewcommand*{\tocstyle@l@define}[2]{%
20285 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
20286 \edef\@tempa{%
20287 \noexpand\global\noexpand\let
20288 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20289 \expandafter\noexpand\csname l@#1\endcsname
20290 \noexpand\gdef
20291 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20292 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20293 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@%
20294 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20295 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20296 }%
20297 }%
20298 \PackageInfo{tocstyle}{prepare \expandafter\string
20299 \csname l@#1\endcsname\space for redefinition}%
20300 \@tempa
20301 }

```

124 File todonotes-xetex-bidi.def

```

20302 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package for XeTeX]
20303 \newif\if@bidi@todonotes@textdirection@RTL
20304 \newif\if@bidi@todonotes@figposition@right
20305 \newcommand{\@bidi@todonotes@align}{}%
20306 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20307 \newcommand{\@bidi@todonotes@textdirection}{}%
20308 \define@choicekey{todonotes}{textdirection}{\@bidi@todonotes@tempa\@bidi@todonotes@tempb}{righttoleft,lef
20309 \ifcase\@bidi@todonotes@tempb\relax
20310 \@bidi@todonotes@textdirection@RTLtrue
20311 \let\@bidi@todonotes@textdirection\@RTL
20312 \or
20313 \@bidi@todonotes@textdirection@RTLfalse

```



```

20314 \let\@bidi@todonotes@textdirection\LRE
20315 \fi}
20316 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,left}{%
20317 \ifcase\bidi@todonotes@tempb\relax
20318 \@bidi@todonotes@figposition@righttrue
20319 \or
20320 \@bidi@todonotes@figposition@rightfalse
20321 \fi}
20322 \if@todonotes@disabled%
20323 \else % \if@todonotes@disabled
20324 \renewcommand{\@todonotes@drawInlineNote}{%
20325 \if@todonotes@dviStyle%
20326 {\par\noindent\begin{tikzpicture}[remember picture]%
20327 \draw node[inline notestyle] {};\end{tikzpicture}\par}%
20328 \if@todonotes@authorgiven%
20329 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20330 \else%
20331 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20332 \fi
20333 {\par\noindent\begin{tikzpicture}[remember picture]%
20334 \draw node[inline notestyle] {};\end{tikzpicture}\par}%
20335 \else%
20336 {\par\noindent\begin{tikzpicture}[remember picture]%
20337 \if\bidi@todonotes@textdirection@RTL\setRTL\fi%
20338 \draw node[inline notestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
20339 \if@todonotes@authorgiven%
20340 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20341 \else%
20342 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20343 \fi};%
20344 \end{tikzpicture}\par}%
20345 \fi}%
20346 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20347 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20348 \node [coordinate] (inText) {};%
20349 \end{tikzpicture}%
20350 \marginpar[{\% Draw note in left margin
20351 \@todonotes@drawMarginNote%
20352 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20353 }]{\% Draw note in right margin
20354 \@todonotes@drawMarginNote%
20355 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20356 }%
20357 }%
20358 \renewcommand{\@todonotes@drawMarginNote}{%
20359 \if@todonotes@dviStyle%
20360 \begin{tikzpicture}[remember picture]%
20361 \draw node[notestyle] {};%
20362 \end{tikzpicture}\\%
20363 \begin{minipage}{\@todonotes@textwidth}%
20364 \if@todonotes@authorgiven%
20365 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20366 \else%
20367 \@todonotes@sizecommand \@todonotes@text%
20368 \fi%
20369 \end{minipage}\\%
20370 \begin{tikzpicture}[remember picture]%

```




```

20371      \draw node[notestyle] (inNote) {};%
20372    \end{tikzpicture}%
20373 \else%
20374   \let\originalHbadness\hbadness%
20375   \hbadness 100000%
20376   \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20377     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20378     \node(X){\vphantom{X}};%
20379     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align] (i
20380       {\@todonotes@text};%
20381     \if@todonotes@authorgiven%
20382       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align
20383         {\@todonotes@sizecommand\@todonotes@author}};%
20384       \node(Y)[below=of X]{};%
20385       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align
20386         {\@todonotes@text};%
20387     \else%
20388       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align
20389         {\@todonotes@text};%
20390     \fi%
20391   \end{tikzpicture}%
20392   \hbadness \originalHbadness%
20393 \fi}%
20394 \renewcommand{\missingfigure}[2] [] {%
20395   \setkeys{todonotes}{#1}%
20396   \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20397   \par
20398   \noindent
20399   \begin{tikzpicture}
20400     \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20401       (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20402     \if@bidi@todonotes@figposition@right%
20403       \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20404         \fi%
20405         \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20406           (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20407       \if@bidi@todonotes@figposition@right%
20408       \end{scope}
20409       \begin{scope}[xshift=-3.8cm]
20410       \fi%
20411       \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20412       \draw (2, -0.3) node[right, text
20413         width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
20414       \if@bidi@todonotes@figposition@right%
20415       \end{scope}
20416       \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20417       \fi%
20418       \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@MissingFi
20419       \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@MissingFi
20420       \if@bidi@todonotes@figposition@right%
20421       \end{scope}
20422       \fi%
20423     \end{tikzpicture}\hfill
20424   }% Ending \missingfigure command
20425 \fi % Ending \@todonotes@ifdisabled
20426 \presetkeys%
20427   {todonotes}%

```



```

20428 {align=left,%
20429 textdirection=lefttoright,%
20430 figposition=left}{}%

```

125 File wrapfig-xetex-bidi.def

```

20431 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for XeTeX en
20432 \let\WF@everypar\bidi@n@everypar
20433 \def\WF@putfigmaybe{%
20434 \ifinner
20435 \vskip-\parskip \global\WF@floatfalse
20436 \let\pagetotal\maxdimen % kludge flag for "not top of page"
20437 \else % outer page
20438 \@tempdima\pagedepth % save page depth
20439 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up to basel
20440 \penalty\interlinepenalty % update pg. parameters
20441 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20442 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20443 \global\WF@floatfalse
20444 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20445 \else
20446 \ifdim\WF@size>\@tempdimb
20447 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20448 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20449 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20450 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20451 \advance\dimen@.5\baselineskip
20452 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20453 \global\WF@floatfalse \pagebreak
20454 \fi
20455 \else % \WF@info{Fits in \the\@tempdimb;}%
20456 \global\WF@floatfalse
20457 \fi\fi
20458 \vskip\@tempdima\relax % (return erased page depth)
20459 \fi
20460 \noindent
20461 \ifWF@float
20462 \WF@fltnes
20463 \else % putting here;
20464 \WF@info{Put \WF@wfname here;}%
20465 {\ifodd\if@twoside\c@page\else\one\fi % assign l/r to i/o placement
20466 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20467 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20468 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20469 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20470 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20471 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20472 \xdef\WF@adjlw{\the\@tempdima}%
20473 \ifnum `l=\WF@place % fig on left
20474 \if@RTL%
20475 \kern\@tempdimb \kern\columnsep
20476 \def\@tempa{\hss}% position to left of the gap
20477 \else%
20478 \hss % figure overlaps space to the left
20479 \def\@tempa{\kern\columnsep}% position to left of the gap
20480 \fi%
20481 \else % fig on right

```



```

20482 \if@RTL%
20483 \hss
20484 \@tempdima\z@
20485 \def\@tempa{\kern\columnsep}
20486 \else%
20487 \@tempdima\z@ % no left indentation
20488 \kern\@tempdimb \kern\columnsep
20489 \def\@tempa{\hss}% figure overlaps space to the right
20490 \fi%
20491 \fi
20492 \ifdim\@tempdimb<\hsize
20493 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20494 \xdef\WF@adjtlm{\the\@tempdima}%
20495 \else
20496 \xdef\WF@wrapil{\z@ \the\hsize}%
20497 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20498 \fi
20499 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20500 \global\advance\WF@size-\intextsep
20501 \else % \WF@info{Putting \WF@wfname in middle of page}%
20502 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20503 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20504 }% end \hbox to 0pt
20505 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20506 \fi}

```

126 File xcolor-xetex-bidi.def

```

25057 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeTeX engi
25058 \long\def\color@b@x#1#2#3%
25059 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
25060 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
25061 \dimen@ht\z@\advance\dimen@fbboxsep\ht\z@\dimen@
25062 \dimen@dp\z@\advance\dimen@fbboxsep\dp\z@\dimen@
25063 {#1#2\color@block{\wd\z@}\ht\z@}\dp\z@}\box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
25064 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color
25065 \DeclareRobustCommand\color
25066 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}
25067 \def\@undeclaredcolor[#1]#2%
25068 {\begingroup
25069 \let\@cls@empty
25070 \XC@getmodclr12{#1}{#2}{}%
25071 {\ifblendcolors
25072 \ifx\colorblend\@empty\else
25073 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
25074 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
25075 \fi
25076 \fi
25077 \ifconvertcolorsU
25078 \edef\@tmp{\XC@tgt@mod{\@mod}}%
25079 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
25080 \fi
25081 \ifmaskcolors
25082 \convertcolorspec\@mod\@clr\XC@mmod\@clr
25083 \let\@mod\XC@mmod
25084 \XC@inflate\@mod\XC@mclr\@clr\@tmp
25085 \expandafter\XC@mul\@tmp,\@clr

```



```

20536 \fi
20537 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20538 \expandafter\endgroup\@tmp}}
20539 \def\@declaredcolor#1%
20540 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20541 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20542 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20543 \ifconvertcolorsU\XC@tsttrue\fi
20544 \fi
20545 \ifXC@tst
20546 \expandafter\XC@declaredcolor\else
20547 \expandafter\XC@declaredcolor\fi}
20548 \def\XC@undeclaredcolor#1#2%
20549 {\@ifundefinedmodel{#1}%
20550 {\c@lor@error{model `#1'}}%
20551 {\@nameuse{color@#1}\current@color{#2}%
20552 \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
20553 \XC@display}\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20554 \def\XC@declaredcolor
20555 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
20556 \edef\current@color{\XC@current@color}%
20557 \XC@display\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20558 \DeclareRobustCommand\bidicolor
20559 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20560 \def\@bidiundeclaredcolor[#1]#2%
20561 {\begingroup
20562 \let\@cls\@empty
20563 \XC@getmodclr12{#1}{#2}{}%
20564 {\ifblendcolors
20565 \ifx\colorblend\@empty\else
20566 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
20567 \XC@coremodel\@mod\@clr\xcolor@}{\@mod\@clr
20568 \fi
20569 \fi
20570 \ifconvertcolorsU
20571 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20572 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20573 \fi
20574 \ifmaskcolors
20575 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20576 \let\@mod\XC@mmod
20577 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20578 \expandafter\XC@mul\@tmp,\@clr
20579 \fi
20580 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20581 \expandafter\endgroup\@tmp}}
20582 \def\XC@bidiundeclaredcolor#1#2%
20583 {\@ifundefinedmodel{#1}%
20584 {\c@lor@error{model `#1'}}%
20585 {\@nameuse{color@#1}\current@color{#2}%
20586 \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
20587 \XC@display}}
20588 \def\@bidideclaredcolor#1%
20589 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20590 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20591 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20592 \ifconvertcolorsU\XC@tsttrue\fi

```



```

20593 \fi
20594 \ifXC@tst
20595 \expandafter\XC@bidideclaredcolor\else
20596 \expandafter\XC@bidideclaredcolor\fi
20597 \def\XC@bidideclaredcolor
20598 {\XC@split\XC@tmp
20599 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20600 \expandafter\endgroup\@tmp}
20601 \def\XC@bidideclaredcolor
20602 {\XC@let\NC\XC@current@color{\string\color\XC@tmp}%
20603 \edef\current@color{\XC@current@color}%
20604 \XC@display}
20605 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20606 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20607 \def\color@fb@x#1#2#3#4%
20608 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
20609 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20610 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode\if@RTL\be

```

127 File latex-xetex-bidi.def

```

20611 \ProvidesFile{latex-xetex-bidi.def}[2019/03/03 v1.3.7 bidi adaptations for 'latex.ltx' for XeTeX engine]
20612 \newcommand{\TeXeTOn}{\TeXeTstate\@ne}
20613 \newcommand{\TeXeTOff}{\TeXeTstate\z@}
20614 \TeXeTOn
20615 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@\fi}
20616 \let\bidi@o@everypar=\everypar
20617 \newtoks\bidi@n@everypar
20618 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20619 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20620 \let\everypar=\bidi@n@everypar
20621 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20622 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20623 \protected\def\hboxR{\hbox\bgroup
20624 \everyhbox{%
20625 \aftergroup\egroup
20626 \everyhbox{}}%
20627 \beginR
20628 \@hboxRconstructtrue
20629 \bgroup
20630 \aftergroup\endR
20631 \aftergroup\egroup
20632 }\hbox}
20633 \protected\def\hboxL{\hbox\bgroup
20634 \everyhbox{%
20635 \aftergroup\egroup
20636 \everyhbox{}}%
20637 \beginL
20638 \@hboxRconstructfalse
20639 \bgroup
20640 \aftergroup\endL
20641 \aftergroup\egroup
20642 }\hbox}
20643 \protected\def\vboxR{\vbox\bgroup
20644 \everyvbox{%
20645 \aftergroup\egroup
20646 \everyvbox{}}%

```



```

20647 \RTLtrue
20648 \@RTLtabtrue
20649 \bgroup
20650 \aftergroup\egroup
20651 }\vbox}
20652 \protected\def\vboxL{\vbox\bgroup
20653 \everyvbox{%
20654 \aftergroup\egroup
20655 \everyvbox{}}%
20656 \RTLfalse
20657 \@RTLtabfalse
20658 \bgroup
20659 \aftergroup\egroup
20660 }\vbox}
20661 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
20662 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
20663 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20664 \def\endLTR{\par}
20665 \newenvironment{LTR*}{\LTR
20666 \everypar{%
20667 {\setbox\z@\lastbox
20668 \ifvoid\z@
20669 \kern-\parindent
20670 \fi}%
20671 }%
20672 }\endLTR\@endpetrue}
20673 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20674 \def\endRTL{\par}
20675 \newenvironment{RTL*}{\RTL
20676 \everypar{%
20677 {\setbox\z@\lastbox
20678 \ifvoid\z@
20679 \kern-\parindent
20680 \fi}%
20681 }%
20682 }\endRTL\@endpetrue}
20683 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20684 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20685 \let\unsetRTL=\setLTR
20686 \let\unsetLTR=\setRTL
20687 \let\LR=\LRE
20688 \let\RL=\RLE
20689 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20690 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20691 \let\@ensure@RL=\@ensure@RTL
20692 \let\@ensure@LR=\@ensure@LTR
20693 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20694 \let\@ensure@maindir=\@ensure@dir
20695 \def\@RTL{RTL}
20696 \def\@LTR{LTR}
20697 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20698 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
20699 \let\@TeX\TeX
20700 \def\TeX{\@ensure@LTR{\@TeX}}
20701 \let\@LaTeX\LaTeX
20702 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
20703 \let\@LaTeXe\LaTeXe

```



```

20704 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
20705 \long\def\bidireflect@box#1{%
20706   \leavevmode
20707   \setbox\z@\hbox{#{#1}}%
20708   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
20709   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20710 }
20711 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20712   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
20713 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20714   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
20715 \let\setRL=\setRTL
20716 \let\setLR=\setLTR
20717 \let\unsetRL=\setLTR
20718 \def\biditabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20719 \@ifpackageloaded{array}{%
20720   \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20721     \leavevmode
20722     \hbox \bgroup $\left.\col@sep\tabc@sep \let\d@llarbegin\begin\group
20723       \let\d@llarend\end\group
20724     \@tabarray}
20725   \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20726 }{%
20727   \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20728     \leavevmode \hbox \bgroup
20729     $\left.\let\@acol\@tabacol
20730     \let\@classz\@tabclassz
20731     \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20732 }
20733 \def\endbidi@tabular@RTLcases{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
20734   \egroup\right\rbrace $\egroup}}
20735 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20736   \ialign{##\hfil$&\quad{##}\hfil\crrc#1\crrc}}\,,\right)}
20737 \renewenvironment{RTLcases}{%
20738   \bidi@matrix@check\RTLcases\env@RTLcases
20739 }{%
20740   \endbidi@tabular@RTLcases%
20741 }
20742 \def\env@RTLcases{%
20743   \let\@ifnextchar\bidi@new@ifnextchar
20744   \def\arraystretch{1.2}%
20745   \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
20746 }
20747 \def\SepMark#1{\gdef\@SepMark{#1}}
20748 \SepMark{.}
20749 \def\@thmcountersep{\@SepMark}
20750 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20751 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20752 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20753 \newcommand*{\bidi@thebibliography@font@hook}{ }
20754 \def\list#1#2{%
20755   \ifnum \@listdepth >5\relax
20756     \toodeep
20757   \else
20758     \global\advance\@listdepth\@ne
20759   \fi
20760   \rightmargin\z@

```



```

20761 \listparindent\z@
20762 \itemindent\z@
20763 \csname @list\romannumeral\the\@listdepth\endcsname
20764 \def\@itemlabel{#1}%
20765 \let\makelabel\@mklab
20766 \@nmbrrlistfalse
20767 #2\relax
20768 \@trivlist
20769 \parskip\parsep
20770 \parindent\listparindent
20771 \advance\linewidth -\rightmargin
20772 \advance\linewidth -\leftmargin
20773 \if@bidi@list@minipage@parbox
20774 \if@RTL
20775 \advance\@totalleftmargin \leftmargin
20776 \else
20777 \advance\@totalleftmargin \rightmargin
20778 \fi
20779 \else
20780 \if@hboxRconstruct
20781 \if@bidi@list@minipage@parbox@not@nob
20782 \if@RTL
20783 \advance\@totalleftmargin \rightmargin
20784 \else
20785 \advance\@totalleftmargin \leftmargin
20786 \fi
20787 \else
20788 \if@RTL
20789 \advance\@totalleftmargin \leftmargin
20790 \else
20791 \advance\@totalleftmargin \rightmargin
20792 \fi\fi
20793 \else
20794 \if@RTL
20795 \advance\@totalleftmargin \rightmargin
20796 \else
20797 \advance\@totalleftmargin \leftmargin
20798 \fi\fi\fi
20799 \parshape \@ne \@totalleftmargin \linewidth
20800 \ignorespaces}
20801 \long\def\@iiiparbox#1#2[#3]#4#5{%
20802 \leavevmode
20803 \@pboxswfalse
20804 \if@hboxRconstruct
20805 \@bidi@list@minipage@parbox@not@nobtrue
20806 \fi
20807 \if@RTL
20808 \ifx#1t%
20809 \@bidi@list@minipage@parboxtrue
20810 \else
20811 \ifx#1b%
20812 \@bidi@list@minipage@parboxtrue
20813 \fi
20814 \fi
20815 \fi
20816 \setlength\@tempdima{#4}%
20817 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%

```




```

20818 \ifx\relax#2\else
20819 \setlength\@tempdimb{#2}%
20820 \edef\@parboxto{to\the\@tempdimb}%
20821 \fi
20822 \if#1b\ vbox
20823 \else\if #1t\ vtop
20824 \else\ifmmode\ vcenter
20825 \else\@pboxswtrue $\ vcenter
20826 \fi\fi\fi
20827 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20828 \csname bm@#3\endcsname}%
20829 \if@pboxsw \m@th$\fi
20830 \@end@tempboxa}
20831 \newenvironment{LTRitems}
20832 {\par\@RTLfalse\@RTLtabfalse
20833 \if@bidi@list@minipage@parbox
20834 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20835 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20836 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20837 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20838 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20839 \ignorespaces}{\vskip\z@}
20840 \newenvironment{RTLitems}
20841 {\par\@RTLtrue\@RTLtabtrue
20842 \if@bidi@list@minipage@parbox
20843 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20844 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20845 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20846 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20847 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20848 \ignorespaces}{\vskip\z@}
20849 \newenvironment{LTRbibitems}
20850 {\par\@RTLfalse\@RTLtabfalse
20851 \if@bidi@list@minipage@parbox
20852 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20853 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20854 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20855 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20856 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20857 \ignorespaces}{\vskip\z@}
20858 \newenvironment{RTLbibitems}
20859 {\par\@RTLtrue\@RTLtabtrue
20860 \if@bidi@list@minipage@parbox
20861 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20862 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20863 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20864 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20865 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20866 \ignorespaces}{\vskip\z@}
20867 \def\raggedright{%
20868 \let\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20869 \leftskip\z@skip
20870 \parindent\z@\parfillskip\z@skip}
20871 \let\bidi@orig@raggedleft\raggedleft
20872 \let\bidi@orig@raggedright\raggedright
20873 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRconstruct\bidi@orig@raggedleft}
20874 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRconstruct\bidi@orig@raggedright}

```



```

20875 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20876 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20877 \def\centerline#1{%
20878 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20879 \else\@@line{\hss#1\hss}\fi}
20880 \def\leftline#1{%
20881 \if@RTL\@@line{\beginR#1\endR\hss}
20882 \else\@@line{#1\hss}\fi}
20883 \def\rightline#1{%
20884 \if@RTL\@@line{\hss\beginR#1\endR}
20885 \else\@@line{\hss#1}\fi}
20886 \let\bidi@orig@leftline\leftline
20887 \let\bidi@orig@rightline\rightline
20888 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\if@bidi@lis
20889 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\if@bidi@lis
20890 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20891 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20892 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20893 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20894 \def\narrower{%
20895 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20896 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20897 \def\underline#1{%
20898 \relax
20899 \ifmmode\@underline{#1}%
20900 \else
20901 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20902 \else
20903 $\@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20904 \if@compatibility
20905 \let\undertext=\underline
20906 \fi
20907 \def\@tabular{%
20908 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20909 $\let\@acol\@tabacol
20910 \let\@classz\@tabclassz
20911 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20912 \def\endtabular{\crrcr\egroup\if@RTLtab\egroup\endR\egroup\fi
20913 \egroup $\if@RTLtab\endR\fi\egroup}
20914 \expandafter \let \csname endtabular*\endcsname = \endtabular
20915 \def\@array[#1]#2{%
20916 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20917 \bgroup
20918 \setbox\@arstrutbox\hbox{%
20919 \vrule \@height\arraystretch\ht\strutbox
20920 \depth\arraystretch \dp\strutbox
20921 \@width\z@}%
20922 \@mkpream{#2}%
20923 \edef\@preamble{%
20924 \ialign \noexpand\@halignto
20925 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20926 \let\@startpbox\@@startpbox \let\@endpbox\@@endpbox
20927 \let\@tabularnewline\\
20928 \let\par\@empty
20929 \let\@sharp##%
20930 \set@typeset@protect
20931 \lineskip\z@skip\baselineskip\z@skip

```



```

20932 \ifhmode \@preamerr\z@ \@@par\fi
20933 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1\vtop \else \vbox \fi\bgroup\fi
20934 \@preamble}
20935 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20936 \let\@classiv\@arrayclassiv
20937 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20938 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20939 \ifnum \@lastchclass=3 5 \else
20940 \z@ \if #1c\@chnum \z@ \else
20941 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20942 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20943 \@chclass \if #1\@ne \else
20944 \if #1\@tw@ \else
20945 \if #1p3 \else \z@ \@preamerr 0\fi
20946 \fi \fi \fi \fi \fi \fi
20947 \fi}
20948 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20949 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20950 \def\bm@t{\unhbox\@tempboxa\hss}
20951 \def\bm@b{\hss\unhbox\@tempboxa}
20952 \def\@dottedtocline#1#2#3#4#5{%
20953 \ifnum #1>\c@tocdepth \else
20954 \vskip \z@ \@plus.2p@
20955 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \parfill
20956 \parindent #2\relax\@afterindenttrue
20957 \interlinepenalty\@M
20958 \leavevmode
20959 \@tempdima #3\relax
20960 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\
20961 {#4}\nobreak
20962 \leaders\hbox{$\m@th
20963 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20964 mu$}\hfill
20965 \nobreak
20966 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20967 \par}%
20968 \fi}
20969
20970 \newcount\@bidi@column@check@number
20971
20972 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
20973
20974 \def\@bidi@set@column@status#1#2{%
20975 \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
20976
20977 \if@twocolumn
20978 \newcommand\DetectColumn[3][1]{%
20979 \ifx\@bidi@firstcolumn@status\write\relax
20980 \PackageError{bidi}%
20981 {Option 'DetectColumn' not selected}%
20982 {\string\DetectColumn\space
20983 requires the use of the 'DetectColumn'
20984 option on the package}%
20985 \fi
20986 \global\advance\@bidi@column@check@number\@ne
20987 \edef\@bidi@column@type{\expandafter\ifx
20988 \csname bidi@column-\the\@bidi@column@check@number\endcsname\relax

```



```

20989             0\else
20990             \csname bidi@column-\the\bidi@column@check@number\endcsname
20991             \fi}%
20992 \ifcase \bidi@column@type\relax
20993     \ifcase #1\or #2\or#3\fi    % 0 not known use first column as default
20994 \or
20995     #2%    % 1 First column
20996 \or
20997     #3%    % 2 Second (Last column)
20998 \else
20999     \ERROR
21000 \fi
21001 \edef\next{\write\@auxout
21002     {\string\bidi@set@column@status{\bidi@column-\the\bidi@column@check@number}%
21003         {\bidi@column@type}}}%
21004 \next
21005 }
21006
21007 \AtEndDocument{\def\bidi@set@column@status#1#2{%
21008     \ifnum #2=\bidi@current@column@status\else
21009         \@tempwtrue
21010     \fi}%
21011 }
21012 \fi
21013
21014 \def\RTL@outputdblcol{%
21015     \if@firstcolumn
21016         \global\@firstcolumnfalse
21017         \global\setbox\@leftcolumn\copy\@outputbox
21018         \splitmaxdepth\maxdimen
21019         \vbadness\maxdimen
21020         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21021         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21022         \toks@\expandafter{\topmark}%
21023         \xdef\@firstcoltopmark{\the\toks@}%
21024         \toks@\expandafter{\splitfirstmark}%
21025         \xdef\@firstcolfirstmark{\the\toks@}%
21026         \ifx\@firstcolfirstmark\@empty
21027             \global\let\@setmarks\relax
21028         \else
21029             \gdef\@setmarks{%
21030                 \let\firstmark\@firstcolfirstmark
21031                 \let\topmark\@firstcoltopmark}%
21032         \fi
21033     \else
21034         \global\@firstcolumntrue
21035         \setbox\@outputbox\vbox{%
21036             \hb@xt@\textwidth{%
21037                 \hskip \columnwidth
21038                 \hfil
21039                 {\normalcolor\vrule \@width\columnseprule}%
21040                 \hfil
21041                 \hb@xt@\columnwidth{%
21042                     \bidi@firstcolumn@status@write%
21043                     \box\@leftcolumn \hss}%
21044                 \hskip -\textwidth
21045                 \hb@xt@\columnwidth{%

```



```

21046      \bidi@lastcolumn@status@write%
21047      \box\@outputbox \hss}%
21048      \hskip \columnsep
21049      \hskip \columnwidth }}%
21050 \@combinedblfloats
21051   \setmarks
21052   \@outputpage
21053   \begingroup
21054     \dblfloatplacement
21055     \@startdblcolumn
21056     \@whilesw@if@fcolmade \fi{\@outputpage
21057       \@startdblcolumn}%
21058   \endgroup
21059 \fi}%
21060
21061 \def\LTR@outputdblcol{%
21062   \if@firstcolumn
21063     \global\@firstcolumnfalse
21064     \global\setbox\@leftcolumn\copy\@outputbox
21065     \splitmaxdepth\maxdimen
21066     \vbadness\maxdimen
21067     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21068     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21069     \toks@\expandafter{\topmark}%
21070     \xdef\@firstcoltopmark{\the\toks@}%
21071     \toks@\expandafter{\splitfirstmark}%
21072     \xdef\@firstcolfirstmark{\the\toks@}%
21073     \ifx\@firstcolfirstmark\@empty
21074       \global\let\@setmarks\relax
21075     \else
21076       \gdef\@setmarks{%
21077         \let\firstmark\@firstcolfirstmark
21078         \let\topmark\@firstcoltopmark}%
21079     \fi
21080   \else
21081     \global\@firstcolumntrue
21082     \setbox\@outputbox\vbox{%
21083       \hb@xt@\textwidth{%
21084         \hb@xt@\columnwidth{%
21085           \bidi@firstcolumn@status@write%
21086           \box\@leftcolumn \hss}%
21087         \hfil
21088         {\normalcolor\vrule \@width\columnseprule}%
21089         \hfil
21090         \hb@xt@\columnwidth{%
21091           \bidi@lastcolumn@status@write%
21092           \box\@outputbox \hss}}}%
21093   \@combinedblfloats
21094   \setmarks
21095   \@outputpage
21096   \begingroup
21097     \dblfloatplacement
21098     \@startdblcolumn
21099     \@whilesw@if@fcolmade \fi{\@outputpage
21100       \@startdblcolumn}%
21101   \endgroup
21102 \fi}%

```



```

21103
21104
21105 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21106 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21107 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21108
21109 \bidi@patchcmd\@makecol{%
21110   \ifvoid\footins
21111     \setbox\@outputbox \box\@cclv
21112   \else
21113     \setbox\@outputbox \vbox {%
21114       \boxmaxdepth \@maxdepth
21115       \unvbox \@cclv
21116       \vskip \skip\footins
21117       \color@begingroup
21118         \normalcolor
21119         \footnoterule
21120         \unvbox \footins
21121       \color@endgroup
21122     }%
21123   \fi
21124 }{%
21125   \ifvoid\footins
21126     \ifvoid\@bidi@copyins@
21127       \setbox\@outputbox \box\@cclv
21128     \else
21129       \setbox\@outputbox \vbox {%
21130         \boxmaxdepth \@maxdepth
21131         \unvbox \@cclv
21132         \vskip \skip\@bidi@copyins@
21133         \color@begingroup
21134           \normalcolor
21135           \unvbox \@bidi@copyins@
21136         \color@endgroup
21137       }%
21138     \fi
21139   \else
21140     \setbox\@outputbox \vbox {%
21141       \boxmaxdepth \@maxdepth
21142       \unvbox \@cclv
21143       \vskip \skip\footins
21144       \color@begingroup
21145         \normalcolor
21146         \footnoterule
21147         \unvbox \footins
21148       \color@endgroup
21149     \ifvoid\@bidi@copyins@
21150     \else
21151       \vskip \skip\@bidi@copyins@
21152       \color@begingroup
21153         \normalcolor
21154         \unvbox \@bidi@copyins@
21155       \color@endgroup
21156     \fi
21157   }%
21158   \fi
21159 }{}

```



```

21160
21161 \def\LTRmarginpar{%
21162   \ifhmode
21163     \@bsphack
21164     \@floatpenalty -\@Mii
21165   \else
21166     \@floatpenalty-\@Miii
21167   \fi
21168   \ifinner
21169     \@parmoderr
21170     \@floatpenalty\z@
21171   \else
21172     \@next\@currbox\@freelist{}\}%
21173     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21174     {\@floatpenalty\z@
21175      \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
21176   \fi
21177   \@ifnextchar [\@LTRxmpar\@LTRympar}
21178 \long\def\@LTRxmpar[#1]#2{%
21179   \@LTRsavemarbox\@marbox{#1}%
21180   \@LTRsavemarbox\@currbox{#2}%
21181   \@xympar}
21182 \long\def\@LTRympar#1{%
21183   \@LTRsavemarbox\@marbox{#1}%
21184   \global\setbox\@currbox\copy\@marbox
21185   \@xympar}
21186 \long\def \@LTRsavemarbox #1#2{%
21187   \global\setbox #1%
21188     \color@vbox
21189     \vtop{%
21190       \hsize\marginparwidth
21191       \@parboxrestore
21192       \@LTRmarginparreset
21193       #2%
21194       \@minipagefalse
21195       \outer@nobreak
21196     }%
21197   \color@endbox
21198 }
21199 \def \@LTRmarginparreset {%
21200   \reset@font
21201   \normalsize
21202   \@minipagetrue
21203   \everypar{\@minipagefalse\everypar{}\beginL}%
21204 }
21205 \def\RTLmarginpar{%
21206   \ifhmode
21207     \@bsphack
21208     \@floatpenalty -\@Mii
21209   \else
21210     \@floatpenalty-\@Miii
21211   \fi
21212   \ifinner
21213     \@parmoderr
21214     \@floatpenalty\z@
21215   \else
21216     \@next\@currbox\@freelist{}\}%

```



```

21217 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21218 {\@floatpenalty\z@
21219 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
21220 \fi
21221 \@ifnextchar [\@RTLxmpar\@RTLympar}
21222 \long\def\@RTLxmpar[#1]#2{%
21223 \@RTLSavemarbox\@marbox{#1}%
21224 \@RTLSavemarbox\@currbox{#2}%
21225 \@xympar}
21226 \long\def\@RTLympar#1{%
21227 \@RTLSavemarbox\@marbox{#1}%
21228 \global\setbox\@currbox\copy\@marbox
21229 \@xympar}
21230 \long\def \@RTLSavemarbox #1#2{%
21231 \global\setbox #1%
21232 \color@vbox
21233 \vtop{%
21234 \hsize\marginparwidth
21235 \parboxrestore
21236 \@RTLMarginparreset
21237 #2%
21238 \@minipagefalse
21239 \outer@nobreak
21240 }%
21241 \color@endbox
21242 }
21243 \def \@RTLMarginparreset {%
21244 \reset@font
21245 \normalsize
21246 \@minipagetrue
21247 \everypar{\@minipagefalse\everypar{}\beginR}%
21248 }
21249 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
21250 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
21251 \if@twocolumn
21252 \if@firstcolumn \@tempcnta\m@ne \fi
21253 \else
21254 \if@mparswitch
21255 \ifodd\c@page \else\@tempcnta\m@ne \fi
21256 \fi
21257 \if@reversemargin \@tempcnta -\@tempcnta \fi
21258 \fi
21259 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
21260 \@tempdima\@mparbottom
21261 \advance\@tempdima -\@pageht
21262 \advance\@tempdima\ht\@marbox
21263 \ifdim\@tempdima >\z@
21264 \@latex@warning{no@line {Marginpar on page \thepage\space moved}}%
21265 \else
21266 \@tempdima\z@
21267 \fi
21268 \global\@mparbottom\@pageht
21269 \global\advance\@mparbottom\@tempdima
21270 \global\advance\@mparbottom\dp\@marbox
21271 \global\advance\@mparbottom\marginparpush
21272 \advance\@tempdima -\ht\@marbox
21273 \global\setbox \@marbox

```




```

21274          \vbox {\vskip \@tempdima
21275                  \box \@marbox}%
21276    \global \ht\@marbox \z@
21277    \global \dp\@marbox \z@
21278    \kern -\@pagedp
21279    \nointerlineskip
21280    \hb@xt@\columnwidth
21281      {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi\fi\ifnu
21282        \hskip\columnwidth \hskip\marginparsep
21283        \else
21284          \hskip -\marginparsep \hskip -\marginparwidth
21285          \fi
21286          \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else\endL\fi
21287        \nointerlineskip
21288        \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21289    \long\def\@ympar#1{%
21290      \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar\@RTLtrue
21291        \global\setbox\@currbox\copy\@marbox
21292        \@xympar}
21293    \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21294    \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
21295    \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21296    \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21297      \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21298      \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21299        \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21300        \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21301        \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
21302    \fi}
21303
21304    \newcommand*{\bidi@font@@@outputpage}{\}
21305
21306    \def\@outputpage{%
21307      \begingroup          % the \endgroup is put in by \aftergroup
21308      \let \protect \noexpand
21309      \@resetactivechars
21310      \global\let\@if@newlist\if@newlist
21311      \global\@newlistfalse
21312      \@parboxrestore
21313      \global\let\bidi@BeforeOutputPageShipOut\@firstofone
21314      \bidi@beforeoutputpageshipouthook
21315      \shipout \vbox{%
21316        \set@typeset@protect
21317        \aftergroup \endgroup
21318        \aftergroup \set@typeset@protect
21319        % correct? or just restore by ending
21320        % the group?
21321      \if@specialpage
21322        \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
21323      \fi
21324      \if@twoside
21325        \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21326        \if@RTLmain
21327          \let\@themargin\evensidemargin
21328        \else
21329          \let\@themargin\oddsidemargin
21330        \fi

```



```

21331 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21332 \if@RTLmain
21333 \let\@themargin\oddsidemargin
21334 \else
21335 \let\@themargin\evensidemargin
21336 \fi
21337 \fi
21338 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21339 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21340 \else %% not @twoside
21341 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21342 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21343 \fi
21344 \reset@font
21345 \normalsize
21346 \bidi@font@@outputpage
21347 \normalsfcodes
21348 \let\label\@gobble
21349 \let\index\@gobble
21350 \let\glossary\@gobble
21351 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21352 \@beginindvi
21353 \vskip \topmargin
21354 \moveright\@themargin \vbox {%
21355 \global\let\@bidi@BeforeHeader\@firstofone
21356 \bidi@beforeheaderhook
21357 \setbox\@tempboxa \vbox to\headheight{%
21358 \vfil
21359 \color@hbox
21360 \normalcolor
21361 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLmain\endR
21362 \color@endbox
21363 }% %% 22 Feb 87
21364 \dp\@tempboxa \z@
21365 \box\@tempboxa
21366 \vskip \headsep
21367 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
21368 \bidi@beforeoutputboxoutputpagehook
21369 \box\@outputbox
21370 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
21371 \bidi@afteroutputboxoutputpagehook
21372 \global\let\@bidi@BeforeFooter\@firstofone
21373 \bidi@beforefooterhook
21374 \baselineskip \footskip
21375 \color@hbox
21376 \normalcolor
21377 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLmain\endR
21378 \color@endbox
21379 \global\let\@bidi@AfterFooter\@firstofone
21380 \bidi@afterfooterhook
21381 }%
21382 }%
21383 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
21384 \bidi@afteroutputpageshipouthook
21385 \global\let\if@newlist\@if@newlist
21386 \global \colht \textheight
21387 \stepcounter{page}%

```



```

21388 \let\firstmark\botmark
21389 \global\let\let\@AtEndOutputPage\@firstofone
21390 \let\@atendoutputpagehook
21391 }
21392 \long\def\@makecaption#1#2{%
21393 \vskip\abovecaptionskip
21394 \sbox\@tempboxa{#1: #2}%
21395 \ifdim \wd\@tempboxa >\hsize
21396 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21397 \else
21398 \global \@minipagefalse
21399 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21400 \fi
21401 \vskip\belowcaptionskip}
21402 \let\@bidi@sav@eqno=\eqno
21403 \let\@bidi@sav@leqno=\leqno
21404 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@leqno \else \@bidi@sav@eqno \fi}
21405 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@leqno \fi}
21406 \ifpackageloaded{amsmath}{-}{-}
21407 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
21408 }
21409 \input{footnote-xetex-bidi.def}
21410 \if@twocolumn
21411 \let\autofootnoterule\relax
21412 \let\leftfootnoterule\relax
21413 \let\rightfootnoterule\relax
21414 \textwidthfootnoterule
21415 \fi
21416 \if@bidi@csundef{\@idxitem}{-}{-}
21417 \renewcommand{\@idxitem}{\par\hangindent \if@RTL-\fi40\p@}%
21418 }
21419 \ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
21420 \ifclassloaded{article}{\ifclassloaded{svmult}}{-}{\input{article-xetex-bidi.def}}{-}
21421 \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
21422 \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}
21423 \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{-}
21424 \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{-}
21425 \ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{-}
21426 \ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{-}
21427 \ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{-}
21428 \ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{-}
21429 \ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{-}
21430 \ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{-}
21431 \ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{-}
21432 \ifclassloaded{report}{\ifpackageloaded{flowfram}}{-}{\input{report-xetex-bidi.def}}{-}
21433 \ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{-}
21434 \ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{-}
21435 \ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{-}
21436 \ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{-}
21437 \ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{-}
21438 \ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{-}
21439 \ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{-}
21440 \ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{-}
21441 \ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{-}
21442 \ifclassloaded{book}{\ifpackageloaded{flowfram}}{-}{\input{book-xetex-bidi.def}}{-}
21443 \ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{-}
21444 \ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{-}

```



```

21445 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21446 \@ifpackageloaded{amsmath}{}{}%
21447 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21448 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21449 }
21450 \@ifpackageloaded{mathtools}{}%
21451 \RequirePackage{graphicx}%
21452 \input{mathtools-xetex-bidi.def}%
21453 }{}
21454 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21455 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21456 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21457 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21458 \@ifpackagewith{algorithm2e}{algonl}{}%
21459 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}%
21460 }{}
21461 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21462 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
21463 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
21464 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21465 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21466 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21467 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21468 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21469 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21470 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21471 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21472 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}{}}
21473 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21474 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21475 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21476 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21477 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21478 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{}{\input{float-xetex-bidi.def}}{}}
21479 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21480 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21481 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21482 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21483 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21484 \@ifpackageloaded{hvfloa}{\input{hvfloa-xetex-bidi.def}}{}
21485 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21486 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21487 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21488 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21489 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21490 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21491 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21492 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21493 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21494 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21495 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21496 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21497 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21498 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21499 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21500 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21501 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}

```



```

21502 \@ifpackageloaded{pdffbase}{\input{pdffbase-xetex-bidi.def}}{}
21503 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21504 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21505 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21506 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21507 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21508 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21509 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21510 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21511 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21512 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21513 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21514 \@ifpackagewith{sidecap}{innercaption}{%
21515 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21516 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21517 \renewcommand*{\SC@justify@caption{%
21518 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21519 \renewcommand*{\SC@FLOAT}[2]{%
21520 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21521 \renewcommand*{\SC@justify@caption{%
21522 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21523 }{}
21524 \@ifpackagewith{sidecap}{rightcaption}{%
21525 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21526 \def\SC@justify@caption{\RaggedLeft}\else%
21527 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21528 \def\SC@justify@caption{\RaggedRight}\fi%
21529 }{}
21530 \@ifpackagewith{sidecap}{leftcaption}{%
21531 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21532 \def\SC@justify@caption{\RaggedRight}\else%
21533 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21534 \def\SC@justify@caption{\RaggedLeft}\fi%
21535 }{}
21536 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21537 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21538 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21539 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21540 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21541 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21542 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21543 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21544 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21545 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21546 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
21547 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21548 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21549 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21550 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21551 \@ifpackageloaded{tbls}{\input{tbls-xetex-bidi.def}}{}
21552 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21553 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21554 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21555 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21556 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
21557 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21558 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```



128 File xltextra-xetex-bidi.def

```

21559 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for XeTeX en
21560 \let\@XeTeX\XeTeX
21561 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21562 \let\@XeLaTeX\XeLaTeX
21563 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

129 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

Symbols		
\# 3056, 3102, 3211, 3219	\@HLTR@LTRfootnotetext 20575, 20577,	
\% 11409	..... 8829, 8845	20578, 20580, 20599
\' .. 11529, 13750, 15746	\@HLTR@mpLTRfootnotetext\@cls 20519, 20562	
\(..... 13851	..... 8832, 8851	\@date 5919, 5922, 5925
\) 13852	\@HRTL@RTLfootnotetext \@@end 3351, 3352	
\, 5302, 11792,	..... 8830, 8847	\@endpbox .. 13625,
16340, 16383,	\@HRTL@mpRTLfootnotetext 18744, 18782, 20926	
20329, 20340, 20736	..... 8833, 8853	\@footstart@v01 .
\- 1773,	\@LTR 15596,	9058, 10208, 10266
11528, 13749, 15745	15598, 20696, 20698	\@if@newlist 10940,
\. 93, 296, 579,	\@LaTeX .. 20701, 20702	10972, 21310, 21385
711, 974, 1224,	\@LaTeXe . 20703, 20704	\@input 3903
1772, 6489, 6677,	\@RTL 15595,	\@italiccorr
6989, 8510, 8784,	15598, 20695, 20698	.. 336, 7033, 13730
10618, 12922,	\@Radio .. 12861, 12869	\@line 9152,
15140, 15908,	\@TeX 15599,	9156, 16728,
16302, 16499,	15600, 20699, 20700	16737, 16775,
16702, 17110,	\@XeLaTeX 21562, 21563	16786, 20878,
17690, 18373, 19034	\@XeTeX .. 21560, 21561	20879, 20881,
\ / 2038	\@author 5918, 5921, 5924	20882, 20884, 20885
\: 13893, 13952	\@bidi@AfterClass	\@makecaption
\< 18668	..... 3987, 4004	. 17152, 17231,
\= .. 11529, 13750, 15746	\@bidi@AfterPackage	17253, 17732,
\> 18669	..... 4032, 4047	17811, 17833,
\@ 3126	\@bidi@PreventPackageFromLoading 18415, 18494, 18516	
\@@ 18847, 18849	.. 4078, 4080, 4082	\@makefnmark 16874,
\@@@bidi@AfterClass	\@bidi@pop 16876, 17423,	
..... 3988, 3993	... 3700, 3703,	17425, 17993,
\@@@bidi@AfterPackage	3704, 3707, 3709	17994, 18122, 18124
..... 4033, 4037	\@bidi@popinto ...	\@math 7024
\@H@footnotetext	.. 3700, 3703, 3704	\@mix 20523, 20566
..... 8828, 8843	\@clr . 20524, 20529,	\@mod . 20524, 20528,
\@H@mpfootnotetext	20532, 20534,	20529, 20532,
..... 8831, 8849	20535, 20537,	20533, 20534,
	20567, 20572,	20537, 20567,



20571, 20572,	5437, 6153, 6164,	8756, 9152, 9156,
20575, 20576,	6370, 6384, 7982,	10584, 10592,
20577, 20580, 20599	7983, 8829, 8844,	10913, 12921,
\@@par 13748,	8845, 8915, 8963,	12935, 12959,
15744, 16335,	8971, 9168, 9277,	14793, 14805,
16378, 16857,	9380, 9489, 9598,	14817, 15684,
16864, 17406,	9707, 9816, 9925,	15806, 15807,
17413, 17979,	10034, 10193,	15831, 15941,
17984, 18105,	10251, 11195,	16080, 16203,
18112, 18959,	11201, 11245,	16256, 16257,
18961, 20817, 20932	11271, 11329,	16318, 16319,
\@@para@footstart@v@l	11354, 11360,	16673, 16681,
. . . . 10208, 10266	12295, 12323,	18838, 18945,
\@@protect 2987	12402, 12421,	18986, 19120,
\@@startpbox . 13624,	12615, 12619,	19151, 19174,
18744, 18782, 20926	12639, 12640,	19191, 19208,
\@@title 5917, 5920, 5923	13685, 13806,	19225, 19242,
\@@tmp 20528,	14934, 14935,	19259, 19277,
20529, 20534,	14936, 16839,	19296, 19316,
20535, 20537,	16845, 17158,	19351, 19684,
20538, 20571,	17159, 17169,	20145, 20259, 20957
20572, 20577,	17388, 17394,	\@MM . . 41, 55, 71, 244,
20578, 20580,	17738, 17739,	258, 273, 7980,
20581, 20599, 20600	17749, 18087,	8001, 8048, 8055,
\@@underline	18093, 18421,	8100, 8107, 9079,
20899, 20901, 20903	18422, 18432,	11218, 11235, 11251
\@DEBUGfalse 2318	18813, 18830, 18922	\@Mi 7024, 13699
\@False 7012, 7014	\@LTRmarginparfalse	\@Mii 2249, 4981, 5025,
\@LTRbibitemfalse	. . . . 21293, 21295	5069, 7503, 7512,
. . . . 20750, 20752	\@LTRmarginparreset	7522, 7677, 7686,
\@LTRbibitemtrue 20751	. . . . 21192, 21199	7696, 21164, 21208
\@LTRbidityftesidenote@side@l	\@LTRmarginpartrue	\@Miii 2251,
. . 5418, 5477, 5481	. . . . . 21294	4983, 5027,
\@LTRbidityftesidenotemargin@l	\@LTRmarginpartrue	5071, 21166, 21210
. 5053, 5060	\@LTRmarginpartrue	\@RTL@footnotefalse
\@LTRbidityftesidenotesavemargin@l	21180, 21183, 21186	. . 1699, 11038,
. 5040,	\@LTRxmpar 21177, 21178	11205, 15579,
5041, 5044, 5047	\@LTRympar 21177, 21182	15584, 20663, 20684
\@LTRbidityftesidenotexmpar@l	\@LTRxmpar 21177, 21178	\@RTL@footnotetrue
. 5038, 5039	\@LTRympar 21177, 21182	. . 1697, 11038,
\@LTRbidityftesidenoteympar	\@LTRxmpar 21177, 21178	11204, 15581,
. 5038, 5043	\@LTRympar 21177, 21182	15583, 20673, 20683
\@LTRfootgroupv@l .	\@LTRxmpar 21177, 21178	\@RTLbibitemfalse
. 9051,	\@LTRympar 21177, 21182	. . . . 20751, 20752
9059, 10206, 10264	\@LTRxmpar 21177, 21178	\@RTLbibitemtrue 20750
\@LTRfootnotetext .	\@LTRympar 21177, 21182	\@RTLbidityftesidenote@side@l
. 64, 81,	\@LTRxmpar 21177, 21178	. . 5447, 5478, 5482
155, 156, 157,	\@LTRympar 21177, 21182	\@RTLbidityftesidenotemarginparreset
266, 284, 2174,	\@LTRxmpar 21177, 21178	. . . . . 5097, 5104
2296, 5347, 5430,	\@LTRympar 21177, 21182	\@RTLbidityftesidenotesavemargin@l



..... 5084,	21290, 21361, 21377	\@RTLtabtrue
5085, 5088, 5091	\@RTLfootnotetext .	... 1560, 1667,
\@RTLbidituftesidenotexmpar	..... 48, 80,	20648, 20673,
..... 5082, 5083	159, 160, 161,	20683, 20720,
\@RTLbidituftesidenoteypar	251, 283, 2175,	20727, 20841, 20859
..... 5082, 5087	2297, 5365, 5459,	\@RTLtrue 36,
\@RTLcolumnfootnotesfalse	5466, 6154, 6165,	50, 87, 239, 253,
..... 8981	6371, 6385, 8003,	290, 565, 700,
\@RTLcolumnfootnotesttrue	8004, 8830, 8846,	963, 1213, 1655,
..... 8980	8847, 8901, 8964,	1661, 1679, 2544,
\@RTLfalse 36, 66, 87,	8972, 9169, 9278,	6478, 6666, 6975,
239, 268, 290,	9381, 9490, 9599,	7033, 7035, 8499,
565, 700, 963,	9708, 9817, 9926,	8770, 8889, 8903,
1213, 1657, 1663,	10035, 10194,	8930, 8952, 9182,
1681, 2544, 6478,	10252, 11186,	9202, 9227, 9252,
6666, 6975, 6994,	11192, 11229,	9291, 9309, 9333,
7006, 7019, 8499,	11270, 11330,	9356, 9394, 9414,
8770, 8889, 8917,	11369, 11375,	9439, 9464, 9503,
8930, 8941, 9182,	12294, 12312,	9523, 9548, 9573,
9192, 9227, 9239,	12387, 12422,	9612, 9632, 9656,
9291, 9300, 9333,	12614, 12618,	9681, 9721, 9741,
9344, 9394, 9404,	12636, 12637,	9765, 9790, 9830,
9439, 9451, 9503,	13686, 13807,	9850, 9875, 9900,
9513, 9548, 9560,	14938, 14939,	9939, 9959, 9984,
9612, 9622, 9656,	14940, 16840,	10009, 10048,
9668, 9721, 9731,	16849, 17160,	10068, 10093,
9765, 9777, 9830,	17161, 17171,	10118, 10417,
9840, 9875, 9887,	17389, 17398,	10437, 10607,
9939, 9949, 9984,	17740, 17741,	11213, 11230,
9996, 10048,	17751, 18088,	11275, 11303,
10058, 10093,	18097, 18423,	12916, 13239,
10105, 10427,	18424, 18434,	13262, 13273,
10446, 10607,	18814, 18831, 18923	13282, 13742,
11213, 11246,	\@RTLmainfalse 1582,	14546, 15131,
11289, 11303,	1586, 1862, 1866	15542, 15567,
12916, 13239,	\@RTLmaintrue 1585, 1865	15581, 15583,
13262, 13266,	\@RTLmarginparfalse	15897, 16291,
13273, 13282,	.... 21294, 21295	16485, 16688,
13739, 14546,	\@RTLmarginparreset	17088, 17668,
15131, 15295,	.... 21236, 21243	18351, 19020,
15343, 15541,	\@RTLmarginpartrue	20622, 20647,
15575, 15579,	..... 21293	20673, 20683,
15584, 15633,	\@RTLsavemarbox ...	20841, 20859,
15897, 16291,	..... 21223,	21290, 21361, 21377
16485, 16688,	21224, 21227, 21230	\@RTLxmpar 21221, 21222
17088, 17668,	\@RTLtabfalse	\@RTLympar 21221, 21226
18351, 19020,	.... 402, 1561,	\@Reset ... 12894, 12903
20621, 20656,	1669, 20657,	\@SepMark ... 19, 20,
20663, 20684,	20663, 20684,	21, 22, 168, 214,
20832, 20850,	20832, 20850, 20937	215, 216, 217,



334, 343, 539,	16479, 16480,	15172, 15178, 15180
540, 541, 542,	16481, 16654,	\@addviper 7450
693, 694, 695,	16656, 16658,	\@afterheading
696, 947, 948,	16660, 16661,	561, 2084, 2094,
949, 950, 1206,	16662, 16663,	8487, 8495, 13762
1207, 1208, 1209,	16664, 17062,	\@afterindentfalse
6504, 6505, 6506,	17063, 17065,	. 2084, 2094, 13761
6507, 6508, 6510,	17067, 17069,	\@afterindenttrue .
6512, 6514, 6681,	17610, 17613,	640, 867, 1123,
6682, 6683, 6684,	17615, 17619,	5648, 6417, 6594,
6685, 6687, 6689,	17621, 17623,	14792, 14804,
6691, 6932, 6934,	17625, 17629,	14816, 15831,
6936, 6938, 6939,	17631, 17637,	16203, 19119,
6940, 6941, 6942,	17639, 17645,	19150, 19173,
8610, 8611, 8612,	17647, 18309,	19190, 19207,
8613, 8726, 8728,	18311, 18314,	19224, 19241,
8730, 8732, 8733,	18316, 18318,	19258, 19276,
8734, 8735, 8736,	18320, 18323,	19295, 19315,
10710, 10711,	18327, 18331,	19350, 19683,
10712, 10713,	19094, 19338,	20138, 20258, 20956
10714, 10716,	20747, 20749, 21459	\@algocf@finish . . . 179
10718, 10720,	\@Submit . . 12877, 12886	\@algocf@start 171
10880, 10886,	\@TextField 12845, 12853	\@ampacol . . . 1428, 1436
11008, 11010,	\@True . 7007, 7013, 7045	\@arabic . . 168, 539,
11012, 11014,	\@Undottedtocline 14800	540, 541, 542,
11015, 11016,	\@Undottedtoclinep	567, 574, 693,
11017, 11018,	. . . . . 14812	694, 695, 696,
11021, 11023,	\@acci 11529, 13750, 15746	702, 709, 947,
11025, 11027,	\@accii	948, 949, 950,
11028, 11029,	11529, 13750, 15746	965, 972, 1206,
11030, 11031,	\@acciii	1207, 1208, 1209,
12972, 12973,	11529, 13750, 15746	1215, 1222, 2556,
12974, 12975,	\@acol 1430,	6480, 6487, 6504,
13299, 14433,	1438, 2183,	6505, 6506, 6507,
14435, 14437,	13621, 18728,	6508, 6510, 6512,
14439, 14441,	20729, 20909, 20935	6514, 6668, 6675,
14442, 14444,	\@acolampacol . 1428,	6681, 6682, 6683,
14445, 14446,	1430, 1436, 1438	6684, 6685, 6687,
15174, 15182,	\@addamp 1429, 1437	6689, 6691, 6932,
15184, 15912,	\@addfield 21299	6934, 6936, 6937,
15913, 15914,	\@addmarginpar . . 21249	6938, 6939, 6940,
15915, 15916,	\@address 2436, 7837,	6941, 6942, 6977,
15918, 15920,	7838, 7935, 7937	6984, 8501, 8508,
15922, 16277,	\@addresscolour 2405,	8610, 8611, 8612,
16278, 16279,	2422, 7836, 7934	8613, 8726, 8728,
16280, 16281,	\@addtofilelist . . 3902	8730, 8731, 8732,
16283, 16285,	\@addtopreamble . .	8733, 8734, 8735,
16287, 16472,	. . 1401, 1464, 7106	8736, 8772, 8779,
16474, 16476,	\@addtoreset	10609, 10616,
16477, 16478,	. . . 332, 10883,	10710, 10711,



10712,	10713,	18370, 19022, 19029	16536,	16550,
10714,	10716,	\@argdef 2947	16586,	16607,
10718,	10720,	\@array 377, 398, 1363,	16931,	16994,
11008,	11010,	1364, 18765, 20915	17045,	17480,
11012,	11013,	\@arrayacol 20935	17543,	17594,
11014,	11015,	\@arrayclassiv . . 20936	18179, 18242, 18293	
11016,	11017,	\@arrayclassz	\@auxout . 1717, 1721,	
11018,	11021,	1428, 18769, 20935	2599, 6317, 21001	
11023,	11025,	\@arraycr	\@badmath . 10845, 10859	
11026,	11027,	. 397, 13630, 20937	\@begin@tempboxa . .	
11028,	11029,	\@arrayleft 390	. . . . . 11805,	
11030,	11031,	\@arrayparboxrestore	11901, 11908, 20817	
13299,	13301,	. . . . 13688, 15741	\@begin@vi 10911, 21352	
14433,	14435,	\@arrayright 399	\@begin@parpenalty .	
14437,	14439,	\@arrayrule . . 1383,	. . . . . 2097,	
14441,	14444,	1384, 1385,	2106, 10848, 10862	
14445,	14446,	1421, 1422, 1423	\@bib@break	
15899,	15906,	\@arstdepth	17083, 17663, 18346	
15912,	15913,	18762, 18767, 18785	\@biblabel 89,	
15914,	15915,	\@arstheight 18767, 18785	292, 567, 568,	
15916,	15918,	\@arstrut 387,	702, 703, 965,	
15920,	15922,	13644, 18743, 20925	966, 1215, 1216,	
16277,	16278,	\@arstrutbox . . . 380,	6480, 6481, 6668,	
16279,	16280,	13632, 13689,	6669, 6977, 6978,	
16281,	16283,	18736, 18777,	8501, 8502, 8772,	
16285,	16287,	18781, 18785, 20918	8773, 10609,	
16293,	16300,	\@author 421, 435, 471,	10610, 12918,	
16472,	16474,	492, 755, 757,	15133, 15899,	
16476,	16477,	775, 820, 839,	15900, 16293,	
16478,	16479,	1007, 1009, 1027,	16294, 16487,	
16480,	16481,	1072, 1091, 1257,	16488, 16690,	
16487,	16494,	1259, 1277, 1322,	16691, 17091,	
16654,	16656,	1342, 1353, 1983,	17093, 17671,	
16658,	16659,	5850, 5852, 5921,	17673, 18354,	
16660,	16661,	6542, 6544, 6562,	18356, 19022, 19023	
16662,	16663,	6719, 6721, 6739,	\@bibsetup 15133	
16664,	16690,	6814, 6828, 6864,	\@bibtitlestyle . . .	
16697,	17063,	6885, 8537, 8549,	. . . 84, 287, 12913	
17065,	17067,	8583, 8602, 8632,	\@bidi@stpelt	
17069,	17091,	8646, 8682, 8703,	. . 3422, 3428, 3432	
17107,	17617,	10637, 10649,	\@bidi@AfterClass .	
17619,	17621,	10683, 10702,	. . . . . 3988,	
17623,	17625,	14402, 15952,	4009, 4014, 4021	
17633,	17641,	15954, 15972,	\@bidi@AfterPackage	
17649,	17671,	16017, 16036,	. . . . . 4033,	
17687,	18312,	16091, 16093,	4052, 4056, 4063	
18314,	18316,	16113, 16160,	\@bidi@EqualStringX	
18318,	18320,	16182, 16193,	. . 3487, 3488, 3489	
18324,	18328,	16349, 16363,	\@bidi@PreventPackageFromLoading	
18332,	18354,	16404, 16425,	. . 4073, 4074, 4076	



\@bidi@UnPreventPackageFromLoading	3570, 3571, 3575, .. 4165, 4166, 4169	3576, 3580, 3581, 3585, 3586, 3591, 3592, 3596, 3597	\@bidi@pdfproducer 1575, 1806, 1910, 1922
\@bidi@after@Hy@hyperfootnotes	..... 8838, 8976, 9177, 9286, 9389, 9498, 9607, 9716, 9825, 9934, 10043, 10212, 10274	\@bidi@ifnxtc 3535, 3538, 3539	\@bidi@perpage@footnotefalse 1749
\@bidi@append@to@cslist	.. 3634, 3638, 3648	\@bidi@info .. 1499, 1522, 1524, 1820, 1843, 1845	\@bidi@perpage@footnotetrue 1747
\@bidi@append@to@list	... 3638, 3641, 3644, 3651, 3659	\@bidi@inslogo@ 1601, 1730, 1732, 1881, 1906, 1931	\@bidi@prepend@to@cslist ... 3636, 3639, 3650, 3692, 3694
\@bidi@before@Hy@hyperfootnotes	..... 8824, 8969, 9166, 9275, 9378, 9487, 9596, 9705, 9814, 9923, 10032, 10191, 10245	\@bidi@list@minipage@parbox@not@true 3652, 3660	\@bidi@prepend@to@list ... 3639, 3642, 3646, 3652, 3660
\@bidi@copy@stacktop	..... 3706, 3709	\@bidi@list@minipage@parbox@false .. 2774, 2775, 2777	\@bidi@removefromreset
\@bidi@copyins@	1597, 1598, 1599, 1600, 1601, 1877, 1878, 1879, 1880, 1881, 9062, 9064, 9067, 11557, 11558, 11559, 11560, 11570, 11571, 11619, 11620, 11676, 11677, 11678, 11679, 11696, 11697, 11715, 11724, 11736, 11742, 11746, 11758, 11760, 11763, 11794, 14962, 14963, 15052, 15608, 15610, 15611, 21126, 21132, 21135, 21149, 21151, 21154	\@bidi@list@minipage@parbox@true .. 3950, 3954, 3957	\@bidi@replacefilewithext
\@bidi@copyins@	1597, 1598, 1599, 1600, 1601, 1877, 1878, 1879, 1880, 1881, 9062, 9064, 9067, 11557, 11558, 11559, 11560, 11570, 11571, 11619, 11620, 11676, 11677, 11678, 11679, 11696, 11697, 11715, 11724, 11736, 11742, 11746, 11758, 11760, 11763, 11794, 14962, 14963, 15052, 15608, 15610, 15611, 21126, 21132, 21135, 21149, 21151, 21154	\@bidi@logo .. 1617, 1636, 1889, 1905	\@bidi@saveprimitive 2635
\@bidi@copyins@	1597, 1598, 1599, 1600, 1601, 1877, 1878, 1879, 1880, 1881, 9062, 9064, 9067, 11557, 11558, 11559, 11560, 11570, 11571, 11619, 11620, 11676, 11677, 11678, 11679, 11696, 11697, 11715, 11724, 11736, 11742, 11746, 11758, 11760, 11763, 11794, 14962, 14963, 15052, 15608, 15610, 15611, 21126, 21132, 21135, 21149, 21151, 21154	\@bidi@logo@ .. 1601, 1633, 1732, 1881, 1905, 1906	\@bidi@stepcounter 3421, 3427
\@bidi@emptytoks ..	.. 2648, 2653, 2677	\@bidi@logo@hb@xt@ .. 1882, 1905	\@bidi@tabular@RTLcases 20718, 20720, 20727
\@bidi@envbody	2647, 2649, 2651, 2652, 2653, 2673, 2675, 2676, 2677	\@bidi@logo@hb@xt@columnwidth .. 1602, 1634	\@bidi@todonotes@align 20305, 20306, 20338, 20379, 20382, 20385, 20388, 20413, 20418, 20419
\@bidi@fi	3568, 3569,	\@bidi@lst@makecaption 13236, 13252, 13253, 13284, 13285, 13286, 13290, 13292	\@bidi@todonotes@figposition@rightfalse 20320
		\@bidi@mdf@RTLtrue 13738	\@bidi@todonotes@figposition@righttrue 20318
		\@bidi@patch@AfterPackage 4358, 4361	\@bidi@todonotes@textdirection .. 20307, 20311, 20314, 20418, 20419
		\@bidi@pdfcreator ..	\@bidi@todonotes@textdirection@RTLfalse 20313
		..... 1572, 1805, 1907, 1921	\@bidi@todonotes@textdirection@RTLtrue 20310
		\@bidi@pdfcustomproperties 1578, 1808, 1913, 1924	\@bidi@unreplacefilewithext .. 3959, 3965, 3968
		\@bidi@pdfcryptfalse 1785	\@bidi@void@cmpfootinsfalse 9118
		\@bidi@pdfcrypttrue 1787, 1790	\@bidi@void@cmpfootinstrue 9116
		\@bidi@pdfm@markfalse 1739, 1929	\@bidi@void@footinsfalse 10519, 10533
		\@bidi@pdfm@marktrue 1737, 1928	\@bidi@void@footinstrue 10516, 10531



\@bidi@w@w 3617	4568, 4569,	\@biditytufteheading@newlinetospace
\@bidi@ww 3611	4570, 4667, 4674	. . . . . 4750, 4759
\@bidideclaredcolor	\@biditytuftefloat@float@fullwidth	\@biditytufteheading@newlinetospace@i
. 7158,	. . . . . 4654, 4702	. . . . . 4751, 4753
7165, 20559, 20588	\@biditytuftefloat@float@textwidth	\@biditytufteheading@orig@cr
\@biditytufteLTRsidenote@normal@cite 4655, 4684	. . . . . 4758, 4762	. . . . . 4758, 4762
. . . 5213, 5292,	\@biditytuftefloat@fps	\@biditytuftesidenote@LTRcitation@font
5412, 5441, 5470,	. . . . . 4596, 4611	. . 5120, 5129, 5219
5492, 5501, 5510	\@biditytuftefloat@fullwidth	\@biditytuftesidenote@LTRmarginfont
\@biditytufteRTLsidenote@normal@cite . 4526, 4532,	. . . . . 5111,	. . . . . 5111,
. . . 5232, 5293,	4533, 4534, 4634	5114, 5117, 5120
5413, 5442, 5471,	\@biditytuftefloat@justification	\@biditytuftesidenote@LTRmarginnote@font
5493, 5502, 5511	. . . . . 4494	. . 5117, 5126, 5498
\@biditytuftefloat@caption	\@biditytuftefloat@justification	\@biditytuftesidenote@LTRsidenote@font
. 4586, 4619	. . . . . 4434, 4564	. . . . . 5114, 5123
\@biditytuftefloat@caption@box	\@biditytuftefloat@label	\@biditytuftesidenote@RTLcitation@font
. 4578,	. . . . . 4593, 4620	. . . . . 5121, 5130
4643, 4654, 4655,	\@biditytuftefloat@margin@float@box	\@biditytuftesidenote@RTLmarginfont
4678, 4913, 4918	. . 4542, 4545, 4556	. . . . . 5112,
\@biditytuftefloat@caption@fill	\@biditytuftefloat@margin@par	5115, 5118, 5121
. 4527,	. . . . . 4464, 4551	\@biditytuftesidenote@RTLmarginnote@font
4536, 4537, 4918	\@biditytuftefloat@marginfont	. . 5118, 5127, 5507
\@biditytuftefloat@caption@font	. . . . . 4491, 4492	\@biditytuftesidenote@RTLsidenote@font
. 4492,	\@biditytuftefloat@orig@caption	. . . . . 5115, 5124
4493, 4547, 4744,	. . 4617, 4645, 4675	\@biditytuftesidenote@add@citation
4915, 4921, 4934	\@biditytuftefloat@orig@endfloat	. . . . . 5254, 5287
\@biditytuftefloat@caption@justification	. . 4580, 4658, 4909	\@biditytuftesidenote@check@multiple@sidenotes
. . 4434, 4550, 4744	\@biditytuftefloat@orig@float	. . . . . 5312, 5320
\@biditytuftefloat@caption@vertical@offset	. . 4579, 4632, 4908	\@biditytuftesidenote@citation@font
. 4581,	\@biditytuftefloat@orig@label	. . . 5119, 5128,
4582, 4590,	. . . . . 4618,	5200, 5238, 5266
4654, 4655, 4682	4626, 4646, 4676	\@biditytuftesidenote@citation@justification
\@biditytuftefloat@checkoddpage	\@biditytuftefloat@coverhang	. . . . . 5133, 5267
. 4509, 4606	. . . . . 4525,	\@biditytuftesidenote@citations
\@biditytuftefloat@figure@box	4529, 4530, 4728,	. . . . . 5253,
. . . 4577, 4636,	4729, 4768, 4769	5255, 5256, 5258,
4654, 4655, 4677	\@biditytuftefloat@pkgname	5263, 5272, 5391,
\@biditytuftefloat@float@contents@width	. . 4409, 4410, 4412	5420, 5449,
. 4598,	\@biditytuftefloat@stored@caption	5488, 5497, 5506
4634, 4635, 4637	. . . . . 4584,	\@biditytuftesidenote@infootnote@cite
\@biditytuftefloat@float@debug	4591, 4645, 4680	. . . . . 5286,
. 4567,	\@biditytuftefloat@stored@label	5390, 5419, 5448,
4573, 4575, 4576,	. . . . . 4585,	5487, 5496, 5505
4608, 4609, 4612,	4594, 4646,	\@biditytuftesidenote@justification@autodetect
4614, 4615, 4692,	4662, 4664, 4681	. . . . . 5131,
4699, 4706,	\@biditytuftefloat@stored@shortcaption	5132, 5133, 5134
4707, 4710, 4711	. . . 4583, 4588,	\@biditytuftesidenote@margin@par
\@biditytuftefloat@float@debug@float	4589, 4645, 4679	. . . 5135, 5268,
. 4566,	\@biditytuftegeneralstructure@reset@par	5353, 5371,
	. . . . . 5694, 5700	5489, 5498, 5507



\@bidityftesidenote@marginfont	\@bidityfttetoc@lof@line	\@cftasnumb . 19125,
..... 5110,	..... 5641, 5657	19156, 19179,
5113, 5116, 5119	\@bidityfttetoc@pkgnam	19196, 19213,
\@bidityftesidenote@marginfont	... 5517, 5518	19230, 19247,
.. 5116, 5125, 5489	\@bidiundeclaredcolor	19264, 19282,
\@bidityftesidenote@marginfont	\@bidityfttetoc@lof@line	19301, 19321, 19356
..... 5132,	20559, 20560, 20599	\@cftbsnum .. 19123,
5489, 5498, 5507	\@bscontmark 14425	19154, 19177,
\@bidityftesidenote@normal	\@bscontmarkseries .. 14406	19194, 19211,
... 5194, 5291,	\@bsmttitleempty .. 14394	19228, 19245,
5411, 5440, 5469,	\@bsphack 2248,	19262, 19280,
5491, 5500, 5509	4980, 5024,	19299, 19319, 19354
\@bidityftesidenote@print	\@bidityfttetoc@lof@line	\@cftdopartfalse 19097
..... 5260,	\@bsthanksheadpost	\@cftdoparttrue ...
5410, 5439, 5468,	..... 14408	.... 19100, 19104
5490, 5499, 5508	\@bsthanksheadpre 14408	\@cftl@subfig ... 19288
\@bidityftesidenote@sidenote	\@caption 4735, 14528, 14531	\@cftl@subtab ... 19308
.. 5389, 5476, 5480	\@captionabovetrue	\@chapapp 6753, 6948,
\@bidityftesidenote@sidenote	\@captionabovetrue	8742, 10580, 16669
\@bidityftesidenote@sidenote	\@captionabovetrue	\@chapterlistsgap@off
..... 5285	17271, 17851, 18534	..... 15166
\@bidityftesidenote@sidenote	\@captionabovetrue	\@chapterlistsgap@on
... 5113, 5122,	17269, 17849, 18532	.... 15173, 15181
5298, 5299, 5302	\@capttype 2188,	\@chclass . 345, 357,
\@bidityftesidenote@sidenote	\@captionabovetrue	368, 1370, 1382,
\@bidityftesidenote@sidenote	\@captionabovetrue	1395, 1415, 1420,
.. 5131, 5298, 5299	14521, 14525,	18866, 18882,
\@bidityftesidenote@sidenote	\@captionabovetrue	18893, 20938, 20943
\@bidityftesidenote@sidenote	\@captionabovetrue	\@checkend ... 2666,
... 5386, 5387,	\@cclv 8015,	2690, 4243, 4244
5393, 5395, 5401,	8072, 10488,	\@chnum 346,
5408, 5422, 5424,	10489, 10517,	353, 364, 1371,
5430, 5437, 5451,	10528, 11691,	1378, 1391, 1401,
5453, 5459, 5466	11703, 11737,	1417, 1418, 1419,
\@bidityftesidenote@trim@b	11740, 11741,	1432, 1440, 1466,
..... 5164, 5171	11751, 11752,	7108, 18867,
\@bidityftesidenote@trim@c	13703, 13708,	18874, 18889,
.. 5168, 5171, 5176	13720, 15602,	20940, 20941, 20942
\@bidityftesidenote@trim@spaces	21111, 21115,	\@circlefnt 10739
..... 5153,	21127, 21131, 21142	\@classiv 2185,
5156, 5205, 5207,	\@cclvi 10235,	13622, 18730,
5224, 5226, 5243,	10237, 10297, 10299	20731, 20911, 20936
5245, 5275, 5277	\@centercr 15705, 15718,	\@classx 1398, 1457, 7102
\@bidityftesidenotemarginparreset	5722, 15692,	\@classz . 1398, 1457,
..... 5009, 5016	18938, 18967, 20868	1491, 1492, 2184,
\@bidityftesidenotesavemabox	4996,	7102, 13622,
..... 4997, 5000, 5003	\@cftasnum .. 19124,	18729, 18769,
\@bidityftesidenotexmpar	19155, 19178,	20730, 20910, 20935
..... 4994, 4995	19195, 19212,	\@cleartopmattertags
\@bidityftesidenoteympar	19229, 19246,	..... 129, 12995
..... 4994, 4999	19263, 19281,	
	19300, 19320, 19355	



<code>\@cliptoboxdim</code> .. 18896	7545, 7714, 7717,	21172, 21175,
<code>\@clsextension</code> 3957,	7719, 7720, 8015,	21180, 21184,
3968, 3984, 3994,	8072, 11669,	21216, 21219,
4003, 4006, 4015	11683, 11686,	21224, 21228,
<code>\@clubpenalty</code>	11688, 13714, 13723	21250, 21259, 21291
577, 6987, 8782,	<code>\@combinedblfloats</code>	<code>\@currentHlabel</code> ...
16497, 16700, 19032	... 7371, 7430,	12380, 12395, 12410
<code>\@colht</code> .. 7527, 7528,	10798, 10834,	<code>\@currentHref</code>
7538, 7539, 7546,	10915, 11602,	. 12381, 12396,
7561, 7595, 7598,	11655, 14633,	12411, 12470,
7620, 7621, 7690,	14730, 21050, 21093	12508, 12541,
7702, 7703, 7713,	<code>\@combinefloats</code> ...	12572, 12603,
7714, 7721, 7738,	.... 10473, 11771	12825, 12836, 12838
7742, 10478,	<code>\@compactenum</code> ... 5704	<code>\@currentlabel</code>
10934, 11669,	<code>\@cons</code> 21249, 21250	.... 43, 57, 73,
11681, 11682,	<code>\@contcshortstyle</code> 14476	246, 260, 275,
11683, 11685,	<code>\@contcstyle</code>	5337, 5355, 5373,
11687, 11775,	14481, 14487, 14492	8895, 8909, 8923,
13714, 13715,	<code>\@contcwidth</code> 14470, 14471	8935, 8946, 8957,
14569, 14572,	<code>\@contdelim</code>	9186, 9196, 9206,
14574, 14576,	. 14464, 14475,	9232, 9245, 9257,
14581, 14582,	14479, 14486, 14491	9295, 9304, 9313,
14583, 14602,	<code>\@contfield</code>	9338, 9350, 9361,
14603, 14604,	.. 6334, 6349, 6381	9398, 9408, 9418,
14608, 14669,	<code>\@contfinal</code>	9444, 9457, 9469,
14672, 14674,	. 14464, 14476,	9507, 9517, 9527,
14676, 14681,	14482, 14488, 14492	9553, 9566, 9578,
14682, 14683,	<code>\@contfmark</code> 14463, 14466	9616, 9626, 9636,
14702, 14703,	<code>\@contfnote</code> 14462, 14465	9662, 9675, 9687,
14704, 14708, 21386	<code>\@contindw</code>	9725, 9735, 9745,
<code>\@colourfalse</code> 2348	<code>\@contnfont</code>	9771, 9784, 9796,
<code>\@colourgreenfalse</code>	. 14464, 14475,	9834, 9844, 9854,
..... 7755, 7853	14479, 14486, 14491	9880, 9893, 9905,
<code>\@colourgreentruer</code> .	<code>\@contpost</code>	9943, 9953, 9963,
..... 7756, 7854	<code>\@contpre</code> ... 14474,	9989, 10002,
<code>\@colourgreyfalse</code> .	14480, 14485, 14490	10014, 10052,
..... 7759, 7857	<code>\@conttfont</code>	10062, 10072,
<code>\@colourgreytrue</code> ..	. 14464, 14476,	10098, 10111,
..... 7760, 7858	14482, 14488, 14492	10123, 10318,
<code>\@colourorangefalse</code>	<code>\@curfield</code> ... 6333,	10330, 10342,
..... 7753, 7851	6348, 6368,	10379, 10393,
<code>\@colourorangetruer</code>	6382, 6392, 21299	10407, 11220,
..... 7754, 7852	<code>\@curline</code> 6331,	11237, 11253,
<code>\@colouredfalse</code> ..	6346, 21299, 21301	11281, 11295, 11309
..... 7757, 7855	<code>\@currbox</code> 2256, 2287,	<code>\@currentlabelname</code>
<code>\@colouredtrue</code> ...	2291, 4945, 4948,	..... 12382,
..... 7758, 7856	4989, 4992, 4997,	12397, 12412,
<code>\@colourtrue</code> 2347	5001, 5033, 5036,	12471, 12509,
<code>\@colroom</code> 7516,	5041, 5045, 5077,	12542, 12573, 12604
7539, 7542, 7544,	5080, 5085, 5089,	<code>\@currenvir</code> .. 2652,



2655, 2656, 2676, 2679, 2680, 2707	7144, 20516, 20539	\@eightcolLTRfootnotetext 9816, 9840
\@currlist 21249	. 16951, 16953,	\@eightcolRTLfootfmt .. 9857, 9871, 9908
\@curtabmar 21298, 21301	17004, 17052,	\@eightcolRTLfootnotetext 9817, 9850
\@cvtheme ... 2428, 2431	17054, 17500,	\@eightcolfootfmt . .. 9837, 9865, 9883
\@cvthemeoptions 2429, 2431	17502, 17553, 17601, 17603, 18199, 18201, 18252, 18300, 18302	\@eightcolfootnotetext 9815, 9830
\@date 424, 436, 472, 495, 763, 765, 777, 822, 842, 1015, 1017, 1029, 1074, 1094, 1265, 1267, 1279, 1324, 1345, 1354, 1984, 5868, 5922, 6550, 6552, 6564, 6727, 6729, 6741, 6817, 6829, 6865, 6888, 8540, 8550, 8584, 8605, 8635, 8647, 8683, 8706, 8791, 8796, 10640, 10650, 10684, 10705, 13004, 13009, 14403, 15960, 15962, 15974, 16019, 16039, 16099, 16101, 16115, 16162, 16185, 16194, 16352, 16364, 16405, 16427, 16539, 16551, 16587, 16610, 16935, 16995, 17049, 17484, 17544, 17598, 18065, 18066, 18069, 18074, 18183, 18243, 18297	\@dedicatory 323 \@deferlist 11667 \@definitionfileextension 2721, 2724 \@depth .. 382, 13634, 18709, 18738, 18778, 20920, 21288 \@dgroup 7006 \@dischyph 11528, 13749, 15745 \@displaypagenumbersfalse 2527 \@displaypagenumberstrue 2526 \@dmath 6994, 7023 \@docolbox 10988 \@dodynamicthefoot 10912 \@dodynamicthehead 10912 \@dofilelist 4254, 4255, 4257 \@dotsep 20156, 20157, 20265, 20963 \@dottedtocline 20271, 20272, 20274, 20292, 20952 \@dseries 7019 \@eha 2643, 19342 \@ehc 2746, 2748, 2754, 2756, 2762, 2764, 2770, 2772, 2963, 3831, 10184, 13205, 13212, 13701, 14775, 14781 \@ehd 14522 \@eightcol@footgroupv@r 9821 \@eightcolLTRfootfmt .. 9847, 9868, 9896	\@email 2440, 7843, 7941 \@empty 86, 115, 134, 136, 289, 397, 434, 435, 436, 437, 470, 471, 472, 473, 573, 708, 774, 775, 776, 777, 819, 820, 821, 822, 971, 1026, 1027, 1028, 1029, 1071, 1072, 1073, 1074, 1221, 1276, 1277, 1278, 1279, 1321, 1322, 1323, 1324, 1732, 1906, 1982, 1983, 1984, 1985, 2243, 2555, 2564, 2664, 2688, 3661, 4070, 4083, 4084, 4090, 4113, 4143, 4151, 4170, 4173, 4184, 4188, 4198, 4204,
\@declaredcolor 7143,		



4205, 4206, 4219,	15974,	16016,	18047,	18053,
4231, 4235, 4302,	16017,	16018,	18059,	18065,
4313, 5196, 5215,	16019,	16112,	18074,	18104,
5234, 5255, 5262,	16113,	16114,	18157,	18162,
5850, 5917, 5918,	16115,	16159,	18169,	18175,
5919, 6486, 6561,	16160,	16161,	18199,	18241,
6562, 6563, 6564,	16162,	16299,	18242,	18243,
6674, 6738, 6739,	16362,	16363,	18244,	18245,
6740, 6741, 6827,	16364,	16365,	18246,	18247,
6828, 6829, 6830,	16403,	16404,	18248,	18249,
6863, 6864, 6865,	16405,	16406,	18250,	18251,
6866, 6983, 7009,	16493,	16549,	18252,	18270,
7339, 7402, 8042,	16550,	16551,	18274,	18282,
8094, 8507, 8548,	16552,	16585,	18288,	18300,
8549, 8550, 8551,	16586,	16587,	18338,	18369,
8582, 8583, 8584,	16588,	16696,	18394,	18395,
8585, 8645, 8646,	16856,	16909,	18667,	18784,
8647, 8648, 8681,	16914,	16921,	18832,	19028,
8682, 8683, 8684,	16927,	16951,	19328,	19330,
8778, 8789, 8805,	16993,	16994,	20519,	20522,
8809, 10314,	16995,	16996,	20562,	20565,
10326, 10338,	16997,	16998,	20718,	20928,
10369, 10388,	16999,	17000,	20937,	21026,
10402, 10472,	17001,	17002,	21073,	21338,
10615, 10648,	17003,	17004,	21339, 21341, 21342	
10649, 10650,	17022,	17026,	\@emptycol 7531, 7534,	
10651, 10682,	17034,	17040,	7550, 7553, 7706,	
10683, 10684,	17052,	17076,	7709, 7725, 7728	
10685, 10778,	17106,	17131,	\@emptytoks 7008	
10814, 11365,	17132,	17405,	\@end@tempboxa 11812,	
11380, 11580,	17458,	17463,	11906, 11923, 20830	
11629, 11667,	17470,	17476,	\@endfloatbox 2308	
11770, 11785,	17500,	17542,	\@endmodernpoem . . .	
11786, 11787,	17543,	17544,	. . . . . 6344, 6364	
11788, 11789,	17545,	17546,	\@endparenv . . 6254,	
12382, 12397,	17547,	17548,	6361, 15207, 15227	
12412, 12471,	17549,	17550,	\@endparpenalty 2101,	
12509, 12542,	17551,	17552,	2110, 10849, 10863	
12573, 12604,	17553,	17571,	\@endpbox 1408,	
12915, 12981,	17575,	17583,	1409, 1450, 1474,	
13002, 13044,	17589,	17601,	1475, 1476, 7116,	
13257, 13263,	17655,	17686,	7117, 7118,	
13286, 13290,	17711,	17712,	13619, 13625,	
13292, 13648,	17978,	18006,	18744, 18782, 20926	
14400, 14401,	18007,	18008,	\@endpetrue 20672, 20682	
14402, 14403,	18009,	18010,	\@endtraditionalpoem	
14562, 14662,	18011,	18012,	. . . . . 6235, 6300	
15160, 15650,	18013,	18017,	\@ensure@LR 15592, 20692	
15905, 15971,	18023,	18029,	\@ensure@LTR . 15590,	
15972, 15973,	18035,	18041,	15592, 15600,	



20690, 20692, 20700, 20702, 20704, 21561, 21563	11242, 11258, 11285, 11299, 11313	7840, 7841, 7842, 7843, 7844
\@ensure@RL 15591, 20691	\@firststampfalse 1430, 1438	\@firstfooterelementtrue 7824
\@ensure@RTL . 15589, 15591, 20689, 20691	\@firstcolfirstmark ... 7338, 7339, 7343, 7401, 7402, 7406, 10777, 10778, 10782, 10813, 10814, 10818, 11579, 11580, 11584, 11628, 11629, 11633, 14561, 14562, 14566, 14661, 14662, 14666, 21025, 21026, 21030, 21072, 21073, 21077	\@firstname .. 2373, 2375, 2376, 2433, 7818, 7908, 7929
\@ensure@dir . 15593, 15594, 20693, 20694		\@firstnamecolour 2402, 2419
\@ensure@maindir 15594, 20694		\@firstofone 3295, 3302, 3308, 3319, 3333, 3339, 3347, 3353, 4356, 10942, 10960, 10964, 10967, 10970, 10976, 12807, 12808, 12809, 12810, 14526, 17231, 17811, 18494, 21313, 21355, 21367, 21370, 21372, 21379, 21383, 21389
\@enumctr ... 5705, 5706		
\@eqnnum 10870, 12998, 21407		\@firstoftwo .. 1528, 1534, 1540, 2785, 2793, 2797, 2805, 2809, 2817, 2823, 2827, 2840, 2848, 2854, 2858, 2866, 2872, 2875, 2878, 2892, 2899, 3072, 3090, 3096, 3120, 3147, 3177, 3237, 3247, 3894, 15141
\@evenfoot 1946, 10905, 21331		\@fivecol@footgroupv@r 9494
\@evenhead 10904, 21331		\@fivecolLTRfootfmt .. 9520, 9541, 9569
\@expandtwoargs .. 4189		\@fivecolLTRfootnotetext 9489, 9513
\@extrafootnotefeaturesfalse 1711		\@fivecolRTLfootfmt .. 9530, 9544, 9581
\@extrafootnotefeaturestrue 1709	\@firstcoltopmark 7336, 7344, 7399, 7407, 10775, 10783, 10811, 10819, 11577, 11585, 11626, 11634, 14559, 14567, 14659, 14667, 21023, 21031, 21070, 21078	\@fivecolRTLfootnotetext 9490, 9523
\@extrainfo 2441, 7844, 7942	\@firstcolumnfalse 7329, 7392, 7746, 10769, 10805, 10929, 11566, 11615, 14552, 14652, 21016, 21063	\@fivecolfootfmt 9510, 9538, 9556
\@extratitle 16909, 16910, 16998, 17022, 17023, 17458, 17459, 17547, 17571, 17572, 18157, 18158, 18246, 18270, 18271		\@fivecolfootnotetext 9488, 9503
\@familyname .. 2373, 2375, 2376, 2434, 7818, 7908, 7929		\@float 4579, 4908
\@familynamecolour 2403, 2420		
\@fax .. 2439, 7842, 7940		
\@fcolmadefalse . 11668	\@firstcolumntrue 7347, 7410, 7700, 10785, 10822, 10893, 11590, 11639, 14611, 14711, 21034, 21081	
\@ff@do@allframes 10914, 10919		
\@ff@fbox 10997		
\@ff@setoffset .. 10994		
\@ffbackground .. 10984		
\@filebordercolor 12683, 12685	\@firstdetailselementfalse 7923	
\@filecolor 12701	\@firstdetailselementtrue 7920	
\@filef@und 3903		
\@finalstrut 8873, 8879, 8885, 11225,	\@firstfooterelementfalse 7839,	



<code>\@floatboxreset</code> .. 2306	5408, 6152, 6163,	<code>\@fps</code> 2237, 2238,
<code>\@floatpenalty</code>	6369, 6383, 7961,	2240, 2243, 2260
... 2249, 2251,	7962, 8828, 8842,	<code>\@fpsadddefault</code>
2254, 4981, 4983,	8843, 8887, 8962,	..... 2241, 2244
4987, 4991, 5025,	8970, 9167, 9276,	<code>\@freelist</code> 2256, 4833,
5027, 5031, 5035,	9379, 9488, 9597,	4874, 4989, 4990,
5069, 5071, 5075,	9706, 9815, 9924,	5033, 5034, 5077,
5079, 21164,	10033, 10192,	5078, 10471,
21166, 21170,	10247, 10249,	11769, 21172,
21174, 21208,	11212, 11269,	21173, 21216,
21210, 21214, 21218	11328, 12293,	21217, 21249, 21250
<code>\@fltovf</code> 2289,	12301, 12372,	<code>\@fs@capt</code> 4922, 4935, 4943
4992, 5036,	12420, 12613,	<code>\@fs@cfont</code> ... 4915,
5080, 21175, 21219	12617, 12633,	4921, 4931, 4934,
<code>\@flushglue</code>	12634, 13684,	4942, 10874, 10875
... 6137, 6138,	13805, 14930,	<code>\@fs@iftopcapt</code>
13755, 16461,	14931, 14932,	.. 4926, 4939, 4952
19686, 19690,	16838, 16841,	<code>\@fs@mid</code> 4925, 4938, 4950
19694, 19740, 20868	17156, 17157,	<code>\@fs@post</code> 4924, 4937, 4951
<code>\@fnsymbol</code> 446,	17167, 17387,	<code>\@fs@pre</code> 4923, 4936, 4944
738, 797, 990,	17390, 17736,	<code>\@g@tnextcol</code> 10891
1049, 1240,	17737, 17747,	<code>\@getcirc</code> 10735
1299, 1970, 6525,	18086, 18089,	<code>\@gnewline</code> .. 15694,
6702, 6839, 8560,	18419, 18420,	15707, 15720, 15731
8657, 10660,	18430, 18812,	<code>\@gobble</code> 2153,
15935, 15994,	18829, 18919, 18921	2663, 2687, 2709,
16074, 16135,	<code>\@footstartv@l</code>	2714, 3200, 3201,
16331, 16374,	9050, 10207, 10265	3202, 3203, 3204,
16561, 16906,	<code>\@footstartv@r</code>	3297, 3310, 3325,
16970, 17455,	9054, 10200, 10258	3370, 3384, 3396,
17519, 18154, 18218	<code>\@for</code> 4111, 4172,	3410, 4100, 4235,
<code>\@footgroupv@r</code> 9055,	4185, 4207, 4211,	4412, 5972,
9144, 9173, 9282,	5197, 5202, 5216,	6037, 10952,
9385, 9494, 9603,	5221, 5235, 5240,	10953, 10954,
9712, 9821, 9930,	5263, 5272, 7307	14523, 17157,
10039, 10199, 10257	<code>\@fourcol@footgroupv@r</code>	17159, 17161,
<code>\@footnote</code> 5799	..... 9385	17737, 17739,
<code>\@footnotemark</code> 2216,	<code>\@fourcolLTRfootfmt</code>	17741, 18420,
2224, 2232, 5308,	.. 9411, 9432, 9460	18422, 18424,
5401, 5408, 5430,	<code>\@fourcolLTRfootnotetext</code>	20523, 20566,
5437, 5459, 5466,	..... 9380, 9404	21348, 21349, 21350
6282, 6289, 6296,	<code>\@fourcolRTLfootfmt</code>	<code>\@gobbletwo</code> .. 2734,
11186, 11192,	.. 9421, 9435, 9472	2735, 2738,
11195, 11201,	<code>\@fourcolRTLfootnotetext</code>	2739, 3430, 13061
12423, 12612,	..... 9381, 9414	<code>\@gtempa</code> 2916, 2917
12616, 12630, 12631	<code>\@fourcolfootfmt</code> ..	<code>\@halignto</code> 386, 401,
<code>\@footnotetext</code> 34, 79,	.. 9401, 9429, 9447	18742, 18780,
151, 152, 153,	<code>\@fourcolfootnotetext</code>	20718, 20924, 20937
237, 282, 2173,	..... 9379, 9394	<code>\@changfrom</code> .. 17184,
2295, 5329, 5401,		17196, 17198,



17764, 17776,	16517, 19090, 21417	9149, 10157,
17778, 18447,	\@ifclasslater 4398, 4403	12417, 12437,
18459, 18461, 20892	\@ifclassloaded ...	12515, 12814,
\@hboxRconstructfalse	... 4018, 4397,	13279, 13404,
.... 15558, 20638	4402, 4432, 5812,	13661, 14502,
\@hboxRconstructtrue	5814, 6796, 8979,	17239, 17819,
..... 397,	11006, 11019,	18502, 19014,
15548, 18749,	21420, 21421,	20719, 21406,
18788, 20628, 20933	21422, 21423,	21419, 21432,
\@height 381,	21424, 21425,	21442, 21446,
1488, 7130,	21426, 21427,	21450, 21454,
11509, 13633,	21428, 21429,	21455, 21456,
13689, 13775,	21430, 21431,	21457, 21464,
16884, 16891,	21432, 21433,	21465, 21466,
17433, 17440,	21434, 21435,	21467, 21468,
18132, 18139,	21436, 21437,	21469, 21470,
18709, 18737,	21438, 21439,	21471, 21472,
18778, 20919, 21288	21440, 21441,	21473, 21474,
\@highpenalty	21442, 21443,	21475, 21476,
... 6431, 6447,	21444, 21445,	21477, 21478,
6454, 6464, 6608,	21472, 21555, 21556	21479, 21480,
6624, 6631, 6641,	\@ifdefinable . 2904,	21481, 21482,
6895, 6910, 6920,	2907, 2910, 2919,	21483, 21484,
8713, 10548,	2950, 2965, 11109	21485, 21486,
10563, 10573,	\@ifdefinitionfileloaded	21487, 21488,
15845, 15861,	..... 2724, 21557	21489, 21490,
15868, 15878,	\@ifempty . 7, 202, 12960	21491, 21492,
16217, 16233,	\@ifloaded	21493, 21494,
16240, 16250,	.. 2723, 2724, 2725	21495, 21496,
16433, 16447,	\@ifnextchar ... 163,	21497, 21498,
16457, 16617,	398, 2121, 2151,	21499, 21500,
16632, 16642,	2166, 2940, 3987,	21501, 21502,
19110, 19145,	3988, 4032, 4033,	21503, 21504,
19534, 19554, 19642	4077, 4994, 5038,	21505, 21506,
\@hintcolour . 2410, 2426	5082, 7143, 7158,	21507, 21510,
\@holdpg 7461,	11184, 11193,	21511, 21512,
7467, 7474, 7485,	11352, 11367,	21513, 21536,
7495, 7595, 7596,	11878, 12620,	21537, 21538,
7598, 7601, 7605,	12644, 14942,	21539, 21540,
7610, 7615, 7619,	15211, 15231,	21541, 21542,
7627, 7639,	20516, 20559,	21543, 21544,
7652, 7660, 7668	20743, 21177, 21221	21545, 21546,
\@hyper@launch .. 12706	\@ifpackagelater ..	21547, 21548,
\@idxitem 102,	. 4396, 4401, 11055	21549, 21550,
107, 222, 227,	\@ifpackageloaded .	21551, 21552,
596, 611, 860,	..... 170, 1447,	21553, 21554,
1112, 5763, 5770,	3133, 4060, 4120,	21555, 21556, 21558
6406, 6583, 6794,	4355, 4373, 4395,	\@ifpackagewith ...
12932, 12937,	4400, 4901, 4906,	.. 7284, 13191,
15802, 16057,	4959, 8412, 8413,	13194, 15779,



15782, 19039,	\@insertfalse 7452, 7560	14612, 14625,
21458, 21461,	\@inserttrue . 7525, 7699	14653, 14712,
21462, 21463,	\@iprintcites ... 15686	14721, 21017,
21514, 21524, 21530	\@itemfudge 21298, 21300	21043, 21064, 21086
\@ifstar 3057,	\@itemlabel 20764	\@let@token . 2700, 2703
3986, 4031, 4073,	\@ixpt 5663	\@lettrine 13024
4165, 4751, 8416,	\@keywords 324	\@listI 4449
8977, 9180, 9289,	\@kludgeins . 10475,	\@listdepth . 11168,
9392, 9501, 9610,	11772, 15040, 15055	11331, 11533,
9719, 9828,	\@komalongtablefalse	11537, 13158,
9937, 10046,	17239, 17819, 18502	20755, 20758, 20763
10241, 10303, 11881	\@lastchclass	\@listi 4449, 4457, 5667
\@iftagsloaded ....	..... 346, 347,	\@loadwithoptions .
2723, 21447, 21448	348, 349, 351,	.. 3910, 3912, 3919
\@iftexfileloaded .	1371, 1372, 1373,	\@lowertitleback ..
2725, 21508, 21509	1374, 1376, 1415,	..... 16948,
\@ifundefined	1416, 1428, 1436,	17003, 17497,
..... 330, 331,	18867, 18868,	17552, 18196, 18251
2530, 2744, 2747,	18869, 18870,	\@lowpenalty 2097, 20065
2752, 2755, 2760,	18872, 20938, 20939	\@m 93, 296,
2763, 2768, 2771,	\@lastvipertrue 7536,	579, 711, 974,
3975, 3979, 4129,	7555, 7711, 7730	1224, 6489, 6677,
4222, 5143, 5626,	\@latex@error	6989, 8510, 8784,
5634, 5749, 5751,	... 2642, 4094,	10618, 11568,
5756, 5846, 5863,	14522, 14775, 14781	11570, 11617,
7145, 7152, 7160,	\@latex@warning . 95,	11619, 12922,
7166, 10877,	298, 581, 713,	15140, 15908,
11102, 12817,	976, 1226, 2560,	16302, 16499,
12818, 13215,	6491, 6679, 6991,	16702, 17110,
13226, 13289,	8512, 8786,	17690, 18373, 19034
13291, 13296,	10620, 12924,	\@mainaux 15271
15314, 15776,	15910, 16304,	\@mainmatterfalse .
19329, 19333,	16501, 16704,	..... 5999,
19409, 19431,	17114, 17121,	6029, 6971, 8766
19432, 19480,	17694, 17701,	\@mainmattertrue ..
19481, 19564,	18377, 18384, 19036	..... 5996, 6012
19586, 19587,	\@latex@warning@no@line	\@makecaption
19815, 19838,	... 7529, 7547,	... 4746, 7091,
19866, 19926,	7704, 7722, 21264	14459, 14509,
19975, 19992, 20022	\@latexbug 21250	14541, 17225,
\@ifundefinedmodel	\@latexerr	17805, 18488, 21392
.... 20549, 20583	11706, 11716, 11726	\@makechapterhead .
\@ifxempty 20609	\@leftcolumn .. 7330,	301, 6748, 6943,
\@ignoretrue 7030	7356, 7393, 7415,	8737, 10576,
\@iiiminipage ... 11315	7568, 7596, 7602,	15677, 16665, 19055
\@iiiparbox	7611, 10770,	\@makecol
9128, 11346, 20801	10791, 10806,	. 10539, 10540,
\@indextitlestyle .	10827, 11567,	11692, 11702,
... 100, 220, 12930	11595, 11616,	13709, 13721, 21109
\@inlabelfalse ... 6997	11648, 14553,	



<code>\@makefnmark</code> . . . 447,	1306, 1308, 1313,	<code>\@maxdepth</code>
798, 1300, 1971,	1320, 1330, 1975,	. . . 9045, 10487,
5304, 5315, 6840,	1981, 6846, 6848,	10502, 10525,
7966, 7987, 8561,	6853, 6862, 6872,	10538, 11783,
8658, 10661,	8567, 8569, 8574,	21114, 21130, 21141
12947, 14407,	8581, 8591, 8664,	<code>\@memtempa</code> . . 14459,
15995, 16136,	8666, 8671, 8680,	14461, 14475,
16332, 16375,	8690, 10667,	14482, 14486, 14491
16562, 16907,	10669, 10674,	<code>\@menubordercolor</code> .
16908, 16971,	10681, 10691,	. . . . 12777, 12779
16972, 17456,	12986, 14412,	<code>\@menucolor</code> 12788
17457, 17520,	14414, 14421,	<code>\@midlist</code> . . . 10471,
17521, 18155,	16001, 16003,	10472, 11769, 11770
18156, 18219, 18220	16008, 16015,	<code>\@minipagefalse</code> . . .
<code>\@makefnmark</code> 45,	16025, 16142,	. . . 2310, 5011,
59, 75, 248,	16144, 16149,	5020, 5055, 5064,
262, 277, 448,	16158, 16168,	5099, 5108, 9125,
735, 800, 987,	16386, 16388,	11343, 13248,
1050, 1237, 1302,	16393, 16402,	14515, 17215,
1972, 5302, 5341,	16412, 16568,	17795, 18478,
5359, 5377, 6522,	16570, 16575,	21194, 21203,
6699, 6841, 8562,	16584, 16594,	21238, 21247, 21398
8659, 10662,	16975, 16977,	<code>\@minipagerestore</code> 11332
11224, 11241,	16982, 16992,	<code>\@minipagetrue</code>
11257, 11284,	17017, 17524,	. . . 5019, 5063,
11298, 11312,	17526, 17531,	5107, 21202, 21246
11790, 14409,	17541, 17566,	<code>\@minus</code> 2477,
15932, 15997,	18223, 18225,	2563, 4445, 4447,
16071, 16138,	18230, 18240, 18265	4454, 4456, 4458,
16334, 16377,	<code>\@maketitle@hook</code> . .	4459, 5664, 5666,
16563, 16854,	. . . . . 118, 12984	5668, 5669,
17403, 17977, 18102	<code>\@makewincaption</code> 15405	11447, 11485,
<code>\@makeother</code> . . 3056,	<code>\@marbox</code> . 4990, 4992,	15137, 17338,
3102, 3211, 3219	4996, 5000, 5001,	17348, 17358,
<code>\@makeschapterhead</code>	5034, 5036, 5040,	17368, 17378,
. 6402,	5044, 5045, 5078,	17927, 17937,
6579, 6768, 6789,	5080, 5084, 5088,	17947, 17957,
6957, 8752,	5089, 21173,	17967, 18610,
10588, 15798,	21175, 21179,	18620, 18630,
16053, 16512,	21183, 21184,	18640, 18650, 18674
16677, 19061, 19066	21217, 21219,	<code>\@mkboth</code> 564, 592, 608,
<code>\@makespecialcolbox</code>	21223, 21227,	699, 857, 962,
. . . . 10476, 11773	21228, 21249,	1109, 1212, 6403,
<code>\@maketitle</code> . . . 120,	21259, 21262,	6477, 6580, 6665,
316, 320, 453,	21270, 21272,	6790, 6974, 8498,
455, 460, 469,	21273, 21275,	8769, 10606,
479, 804, 806,	21276, 21277,	15799, 15896,
811, 818, 828,	21286, 21290, 21291	16054, 16290,
1056, 1058,	<code>\@mathmargin</code> . . 8368,	16484, 16513, 16687
1063, 1070, 1080,	8375, 8383, 8390	<code>\@mklab</code> 20765



\@mkpream 385, 13638, 18740, 18772, 20922	\@mpfn 2191, 2194, 2197, 2213, 2221, 2229, 5399, 5405, 5428, 5434, 5457, 5463, 6259, 6262, 6265, 6279, 6286, 6293, 11184, 11189, 11193, 11198, 11327, 11357, 11372, 12298, 12309, 12320, 12520, 12551, 12582, 12645, 13802, 18854, 18861	10119, 10364, 10373, 10401, 10404
\@mobile 2437, 7840, 7938		\@mpfootnotetext 8831, 8848, 8849, 8929, 8965, 8973, 9174, 9283, 9386, 9495, 9604, 9713, 9822, 9931, 10040, 10209, 10268, 10270, 11301, 11328, 12301, 12336, 12339, 12424, 13805, 18919, 18921
\@modernpoem . 6320, 6364		\@mpfourcol@footgroupv@r 9391
\@mpLTRfootnotetext ... 8832, 8850, 8851, 8940, 8966, 8974, 9175, 9284, 9387, 9496, 9605, 9714, 9823, 9932, 10041, 10210, 10272, 11287, 11329, 12323, 12338, 12361, 12425, 13806, 18922	\@mpfootinsv@l 9087, 9103, 9146, 10366, 10375, 10387, 10390	\@mpfourcolLTRfootnotetext 9387, 9450
\@mpRTLfootnotetext ... 8833, 8852, 8853, 8951, 8967, 8975, 9176, 9285, 9388, 9497, 9606, 9715, 9824, 9933, 10042, 10211, 10273, 11273, 11330, 12312, 12337, 12350, 12426, 13807, 18923	\@mpfootins 8930, 8931, 8941, 8942, 8952, 8953, 9089, 9097, 9105, 9115, 9119, 9122, 11275, 11276, 11289, 11290, 11303, 11304, 11337, 11338, 11341, 13791, 13796	\@mpfourcolRTLfootnotetext 9388, 9463
\@mparbottom 21260, 21268, 21269, 21270, 21271	\@mpfootinsv@r 9086, 9145, 9227, 9228, 9239, 9240, 9252, 9253, 9333, 9334, 9344, 9345, 9356, 9357, 9439, 9440, 9451, 9452, 9464, 9465, 9548, 9549, 9560, 9561, 9573, 9574, 9657, 9658, 9669, 9670, 9682, 9683, 9766, 9767, 9778, 9779, 9791, 9792, 9875, 9876, 9887, 9888, 9900, 9901, 9984, 9985, 9996, 9997, 10009, 10010, 10093, 10094, 10105, 10106, 10118,	\@mpninecol@footgroupv@r 9936
\@mpargs 9128, 11321, 11346		\@mpninecolLTRfootnotetext 9932, 9995
\@mparswitchfalse 4428		\@mpninecolRTLfootnotetext 9933, 10008
\@mparswitchtrue . 4423		\@mpninecolfootnotetext 9931, 9983
\@mpeightcol@footgroupv@r 9827		\@mppara@LTRfootgroupv@l 10216, 10278
\@mpeightcolLTRfootnotetext 9823, 9886		\@mppara@footgroupv@r 10215, 10277
\@mpeightcolRTLfootnotetext 9824, 9899		\@mpparaLTRfootnotetext 10210, 10272, 10386
\@mpeightcolfootnotetext 9822, 9874		\@mpparaRTLfootnotetext 10211, 10400
\@mpfivecol@footgroupv@r 9500		\@mpparafootnotetext 10209, 10270, 10361
\@mpfivecolLTRfootnotetext 9496, 9559		\@mpsevendcol@footgroupv@r 9718
\@mpfivecolRTLfootnotetext 9497, 9572		\@mpsevendcolLTRfootnotetext 9714, 9777
\@mpfivecolfootnotetext 9495, 9547		\@mpsevendcolRTLfootnotetext 9715, 9790
		\@mpsevendcolfootnotetext 9713, 9765



\@mpsixcol@footgroupv@r	19386,	19387,	19937,	19940,
..... 9609	19388,	19389,	19948,	19949,
\@mpsixcolLTRfootnotetext	19390,	19391,	19951,	19954,
..... 9605, 9668	19392,	19410,	19957,	19977,
\@mpsixcolRTLfootnotetext	19411,	19412,	19980,	19984,
..... 9606, 9681	19413,	19414,	20024, 20027, 20031	
\@mpsixcolfootnotetext	19415,	19416,	\@nameuse 3976,	
..... 9604, 9656	19417,	19418,	6315, 8298, 8348,	
\@mptencol@footgroupv@r	19433,	19434,	8351, 8397, 9266,	
..... 10045	19435,	19436,	9267, 9271, 9272,	
\@mptencolLTRfootnotetext	19438,	19439,	9369, 9370, 9374,	
.... 10041, 10104	19441,	19444,	9375, 9478, 9479,	
\@mptencolRTLfootnotetext	19447,	19455,	9483, 9484, 9587,	
.... 10042, 10117	19456,	19458,	9588, 9592, 9593,	
\@mptencolfootnotetext	19461,	19464,	9696, 9697, 9701,	
.... 10040, 10092	19477,	19482,	9702, 9805, 9806,	
\@mptthreecol@footgroupv@r	19483,	19484,	9810, 9811, 9914,	
..... 9288	19486,	19487,	9915,	9919,
\@mptthreecolLTRfootnotetext	19489,	19492,	9920,	10023,
..... 9284, 9343	19495,	19503,	10024,	10028,
\@mptthreecolRTLfootnotetext	19504,	19506,	10029,	10132,
..... 9285, 9355	19509,	19512,	10133,	10137,
\@mptthreecolfootnotetext	19524,	19565,	10138,	10416,
..... 9283, 9332	19566,	19567,	10422,	10426,
\@mptwocol@footgroupv@r	19568,	19569,	10432,	10436,
..... 9179	19570,	19571,	10441,	10445,
\@mptwocolLTRfootnotetext	19572,	19573,	10450,	10897,
..... 9175, 9238	19588,	19589,	17612,	17628,
\@mptwocolRTLfootnotetext	19590,	19591,	17636,	17644,
..... 9176, 9251	19593,	19594,	19073,	19345,
\@mptwocolfootnotetext	19596,	19599,	19346,	19347,
..... 9174, 9226	19602,	19610,	19350,	19353,
\@namedef 3979, 4130,	19611,	19613,	19358,	19359,
6317, 9130, 9165,	19616,	19619,	19364,	19368,
9264, 9269, 9274,	19632,	19816,	19369,	19371,
9367, 9372, 9377,	19817,	19818,	19372,	19374,
9476, 9481, 9486,	19819,	19820,	19375,	19377,
9585, 9590, 9595,	19821,	19822,	19378,	19380,
9694, 9699, 9704,	19823,	19824,	19381,	19388,
9803, 9808, 9813,	19863,	19867,	19393,	19394,
9912, 9917, 9922,	19868,	19869,	19477,	19524,
10021, 10026,	19870,	19872,	19528,	19529,
10031, 10130,	19873,	19875,	19541,	19548,
10135, 10190,	19878,	19881,	19549,	19632,
10244, 10415,	19889,	19890,	19636,	19637,
10425, 10435,	19892,	19895,	19656,	19671,
10444, 10453,	19898,	19923,	19674,	19676,
10465, 13729,	19927,	19928,	19679,	19682,
19344, 19383,	19929,	19931,	19699,	19700,
19384, 19385,	19932,	19934,	19702,	19703,



19713, 19715,	20838, 20843,	\@ninecolfootfmt ..
19717, 19718,	20845, 20846,	.. 9946, 9974, 9992
19720, 19722,	20847, 20852,	\@ninecolfootnotetext
19723, 19732,	20854, 20855,	..... 9924, 9939
19734, 19738,	20856, 20861,	\@nmbrlistfalse . 20766
19739, 19743,	20863, 20864,	\@nobreakfalse . 513,
19747, 19749,	20865, 20941,	665, 909, 1148,
19750, 19810,	20943, 20986, 21250	6441, 6618, 6905,
19843, 19850,	\@newlistfalse	8722, 10558,
19855, 19856,	.... 10941, 21311	15855, 16227,
19863, 19916,	\@next 2256,	16442, 16627,
19923, 19994,	4989, 4990, 5033,	19132, 19136, 19664
20551, 20585, 21322	5034, 5077, 5078,	\@nobreaktrue .. 512,
\@ne 137, 142,	21172, 21173,	664, 908, 1147,
346, 355, 358,	21216, 21217, 21249	6440, 6617, 6904,
452, 803, 1055,	\@nextchar 352,	8721, 10557,
1305, 1371, 1380,	354, 355, 356,	15854, 16226,
1383, 1384, 1385,	358, 359, 360,	16441, 16626,
1418, 1421, 1422,	361, 362, 365,	19131, 19135, 19663
1423, 1769, 1774,	366, 367, 1377,	\@nocnterr 331
1775, 2266, 2568,	1379, 1380, 1381,	\@nocounterr 330
2596, 2631, 3553,	1383, 1384, 1385,	\@nodocument 2235
3712, 3783, 3844,	1386, 1387, 1388,	\@noitemerr 95, 298,
4337, 4346, 6845,	1389, 1392, 1393,	580, 712, 975,
7295, 8566, 8663,	1394, 1406, 1408,	1225, 2560, 6490,
10666, 11274,	1409, 1474, 1475,	6678, 6990, 8511,
11288, 11302,	1476, 7116, 7117,	8785, 10619,
11547, 12653,	7118, 18873,	12924, 15147,
12654, 12659,	18875, 18876,	15909, 16303,
13147, 13203,	18877, 18878,	16500, 16703,
13210, 13219,	18879, 18880,	17113, 17120,
13230, 13640,	18881, 18883,	17693, 17700,
14411, 14488,	18884, 18885,	18376, 18383, 19035
14751, 15210,	18886, 18887,	\@nonlatinfalse 1555,
15230, 16000,	18890, 18891, 18892	1673, 13237, 13281
16141, 16338,	\@nil 1459,	\@nonlatintrue 1556,
16381, 16385,	1460, 1462, 1463,	1675, 13237, 13281
16567, 16860,	7105, 8009, 8066,	\@normalLTRfootfmt
16974, 17409,	12820, 12829,	.. 8881, 8926, 8949
17523, 17982,	12831, 12843, 18988	\@normalRTLfootfmt
18108, 18222,	\@ninecol@footgroupv@r	.. 8875, 8912, 8960
18802, 18806,	..... 9930	\@normalcr 13758
18867, 18876,	\@ninecolLTRfootfmt	\@normalfootfmt ...
18883, 19185,	. 9956, 9977, 10005	.. 8869, 8898, 8938
19528, 19529,	\@ninecolLTRfootnotetext	\@notprerr .. 3297, 3310
19636, 19637,	..... 9925, 9949	\@nx 124, 125,
19810, 20465,	\@ninecolRTLfootfmt	334, 12990, 12991
20612, 20758,	. 9966, 9980, 10017	\@nxtcol
20799, 20834,	\@ninecolRTLfootnotetext	10889, 10891, 10932
20836, 20837,	..... 9926, 9959	



\@oddf	1941, 10902, 10909, 21325, 21342	11640, 11652, 11691, 11703, 11737, 11739, 11750, 11775, 11778, 11779, 14553, 14556, 14557, 14587, 14612, 14615, 14617, 14629, 14653, 14656, 14657, 14687, 14712, 14715, 14717, 14727, 15279, 15282, 15287, 21017, 21020, 21021, 21035, 21047, 21064, 21067, 21068, 21082, 21092, 21111, 21113, 21127, 21129, 21140, 21369	10737, 10742, 10743, 10747, 10748 \@ovyy . 10728, 10729, 10730, 10738, 10744 \@pagedp .. 21278, 21288 \@pageht 7453, 7562, 21261, 21268 \@par 19753 \@para@LTRfootgroupv@l 10206, 10264 \@para@footgroupv@r 10199, 10257 \@para@footstartv@l 10207, 10265 \@para@footstartv@r 10200, 10258 \@paraLTRfootfmt .. 10334, 10353, 10397 \@paraLTRfootnotetext 10193, 10251, 10325 \@paraRTLfootfmt .. 10346, 10357, 10411 \@paraRTLfootnotetext 10194, 10337 \@parafootfmt 10322, 10349, 10383 \@parafootnotetext 10192, 10249, 10307 \@parboxrestore . 42, 56, 72, 245, 259, 274, 2305, 4740, 5008, 5052, 5096, 7035, 8934, 8945, 8956, 9082, 9231, 9243, 9256, 9337, 9348, 9360, 9443, 9455, 9468, 9552, 9564, 9577, 9661, 9673, 9686, 9770, 9782, 9795, 9879, 9891, 9904, 9988, 10000, 10013, 10097, 10109, 10122, 10378, 10392, 10406, 10420, 10430, 10941, 11219, 11236, 11252, 11280, 11294, 11308,	
\@oddhead	... 10901, 10908, 21325, 21341			
\@oldmakefnmark	... ..... 16907, 16908, 16971, 16972, 17456, 17457, 17520, 17521, 18155, 18156, 18219, 18220		
\@onefilewithoptions	.. 3926, 3927, 3934			
\@onelevel@sanitize	..... 2238		
\@onlypreamble	... 1650, 4149, 4159, 4163, 10306			
\@openbib@code 571, 706, 969, 1219, 2553, 2564, 6484, 6672, 6981, 8505, 8776, 10613, 15903, 16297, 16491, 16694, 17096, 17676, 18359, 19026	\@outputdblcol 10888, 21105, 21106, 21107 \@outputpage .. 7373, 7377, 7432, 7436, 10798, 10801, 10836, 10840, 10916, 10920, 10925, 10936, 11604, 11608, 11657, 11661, 13710, 13722, 14635, 14640, 14732, 14737, 15268, 15269, 21052, 21056, 21095, 21099, 21306		
\@otarlinesep	..... ..... 18762, 18768		
\@outerparskip	... 6358			
\@outputbox	.. 7330, 7333, 7334, 7348, 7360, 7365, 7367, 7393, 7396, 7397, 7411, 7421, 7424, 7426, 9044, 9046, 10478, 10480, 10481, 10486, 10501, 10503, 10517, 10528, 10770, 10773, 10786, 10795, 10806, 10809, 10823, 10833, 10914, 10919, 10966, 11567, 11574, 11575, 11591, 11601, 11616, 11623, 11624,	\@ovbtrue 10724 \@ovdx 10737, 10745 \@ovdy 10738, 10746 \@ovhorz .. 10743, 10744 \@ovltrue 10724 \@ovri 10736 \@ovro 10736, 10745, 10746 \@ovrtrue 10724 \@ovttrue 10724 \@ovvert .. 10741, 10742 \@ovxx 10726, 10727, 10730,		



11326, 14536,	11447, 11485,	15, 208, 210,
14750, 20817,	12933, 12953,	506, 507, 509,
21191, 21235, 21312	14802, 14814,	523, 524, 528,
\@parboxto 20820, 20827	15137, 15801,	658, 659, 661,
\@parmoderr .. 2254,	15830, 15833,	683, 684, 688,
4986, 5030,	15846, 15862,	885, 886, 890,
5074, 21169, 21213	15869, 16056,	902, 903, 905,
\@part 543, 8469	16202, 16205,	1141, 1142, 1144,
\@pboxswfalse	16218, 16234,	1167, 1168, 1172,
.... 11317, 20803	16241, 16434,	6435, 6436, 6438,
\@pboxswtrue 20825	16448, 16516,	6458, 6459, 6463,
\@pdfm@mark	16618, 16633,	6612, 6613, 6615,
. 12661, 12677,	16882, 16889,	6635, 6636, 6640,
12711, 12742,	16913, 16936,	6899, 6900, 6902,
12771, 12846,	16954, 17025,	6914, 6915, 6919,
12851, 12862,	17050, 17138,	7180, 7185, 7186,
12867, 12878,	17143, 17296,	8448, 8449, 8453,
12884, 12895, 12901	17315, 17338,	8462, 8463, 8465,
\@pdfremotestartview	17339, 17348,	8716, 8717, 8719,
..... 12692	17349, 17358,	10552, 10553,
\@phone 2438, 7841, 7939	17359, 17368,	10555, 10567,
\@photo .. 2443, 7814,	17378, 17431,	10568, 10572,
7816, 7945, 7947	17438, 17462,	12966, 12968,
\@photowidth .. 2442,	17485, 17503,	14822, 15849,
2443, 7816, 7912	17574, 17599,	15850, 15852,
\@pkgextension 3954,	17718, 17723,	15872, 15873,
3965, 4029, 4038,	17876, 17895,	15877, 16221,
4046, 4049, 4057	17927, 17928,	16222, 16224,
\@plus .. 24, 103, 223,	17937, 17938,	16244, 16245,
503, 520, 595,	17947, 17948,	16249, 16436,
610, 639, 642,	17957, 17967,	16437, 16439,
655, 673, 680,	18130, 18137,	16451, 16452,
859, 866, 869,	18161, 18184,	16456, 16621,
882, 899, 917,	18202, 18273,	16622, 16624,
1111, 1122, 1125,	18298, 18401,	16636, 16637,
1138, 1156, 1164,	18406, 18559,	16641, 18995,
2477, 2563, 4445,	18578, 18610,	19004, 19006,
4446, 4447, 4454,	18611, 18620,	19394, 19543,
4455, 4456, 4458,	18621, 18630,	19544, 19552,
4459, 5664, 5665,	18631, 18640,	19651, 19652,
5666, 5668, 5669,	18650, 18673,	19658, 20050,
5735, 6405, 6416,	18939, 18968,	20163, 20268, 20966
6419, 6432, 6448,	19089, 19364,	\@preamble 386, 387,
6455, 6582, 6593,	19532, 19535,	397, 399, 1431,
6596, 6609, 6625,	19539, 19640,	1439, 13644,
6632, 6793, 6896,	19643, 19647,	18741, 18743,
6911, 8445, 8459,	19680, 19977,	18750, 18780,
8714, 10351,	19980, 19984,	18781, 18789,
10355, 10359,	20072, 20256, 20954	20923, 20925, 20934
10549, 10564,	\@pnumwidth 13,	\@preameightfmt 9860,



9866, 9869, 9872	\@quotecolour	\@resetactivechars 10939, 21309
\@preamerr . . . . .	. . . . . 2406, 2423, 2533	\@resetdyn@mics 10927
368, 1395, 1425,	\@r@m@msize 18775	\@resetst@tics 10926
18893, 20932, 20945	\@raggedtwoe@abdhook 15762, 15767, 15777	\@restonecolfalse 98,
\@preamfivefmt 9533,	\@raggedtwoe@document@opt 15761, 15765, 15783	218, 585, 601,
9539, 9542, 9545	\@raggedtwoe@everyselectfont 15701,	850, 1102, 6396,
\@preamfntext . 8893,	15714, 15727, 15738	6573, 6783,
8907, 8921, 9077,	\@raggedtwoe@footmisctrue 15764	12928, 15792,
9185, 9195, 9205,	\@raggedtwoe@gnewline 15694, 15707, 15720	16047, 16506, 19047
9294, 9303, 9312,	\@raggedtwoe@raggedrightboxes@opt 15740,	\@restonecoltrue 98,
9397, 9407, 9417,	15759, 15763, 15780	218, 587, 603,
9506, 9516, 9526,	\@raggedtwoe@samedcr 15691,	852, 1104, 6398,
9615, 9625, 9635,	15704, 15717, 15730	6575, 6785,
9724, 9734, 9744,	\@raggedtwoe@spaceskipfalse 15737	12928, 15794,
9833, 9843, 9853,	\@raggedtwoe@spaceskiptrue 15700, 15713, 15726	16049, 16508, 19049
9942, 9952,	\@rc@ifdefinable 2919, 2965	\@resumename . 2376, 2432
9962, 10051,	\@reffalse 18005	\@revlabeltrue . 736,
10061, 10071,	\@reftrue 18006,	988, 1238, 6523,
10317, 10329, 10341	18007, 18008,	6700, 15933, 16072
\@preamfourfmt 9424,	18009, 18010,	\@rightcolumn 14579,
9430, 9433, 9436	18011, 18012, 18013	14584, 14585,
\@preamninefmt 9969,	\@regtocline 636, 674,	14594, 14595,
9975, 9978, 9981	691, 863, 893,	14603, 14607,
\@preamnormalfmt 8865,	918, 1119, 1157,	14613, 14679,
8870, 8876, 8882	1175, 6413, 6449,	14684, 14685,
\@preamsevenfmt 9751,	6467, 6590, 6626,	14694, 14695,
9757, 9760, 9763	6644, 15827,	14703, 14707, 14713
\@preamsixfmt . 9642,	15863, 15881,	\@rightskip . 13754,
9648, 9651, 9654	16199, 16235, 16253	15696, 15697,
\@preamtenfmt 10078,	\@rememsize 18772, 18775	15709, 15710,
10084, 10087, 10090	\@removefromreset 15156, 15158	15722, 15723,
\@preamthreelfmt 9318,	\@reqcolroom 7453,	15733, 15734, 20868
9324, 9327, 9330	7454, 7455, 7456,	\@rjfieldfalse 21296
\@preamtwofmt . 9212,	7516, 7561, 7562,	\@runbordercolor 12717, 12719
9218, 9221, 9224	7563, 7564,	\@runcolor 12733
\@printcites 15688	7565, 7566, 7690	\@s@size 18775
\@pstrickserr 15642		\@s@bidi@AfterClass 3986,
\@ptsize . 2341, 2342,		3995, 4007, 4016
2343, 2344, 2351		\@s@bidi@AfterPackage 4031,
\@publisher . 5827, 5880		4039, 4050, 4058
\@publishers		\@sarray 18734
. 16937, 17001,		\@savemarbox 21290
17051, 17486,		\@secondoftwo
17550, 17600,		. . . . . 1530, 1536,
18185, 18249, 18299		1542, 2787, 2791,
\@quote 2444, 7820,		2799, 2803, 2811,
7822, 7949, 7951		
\@quotebox 15687		



2815, 2821, 2829, 2842, 2851, 2860, 2869, 2875, 2878, 2889, 2894, 2901, 3063, 3073, 3074, 3075, 3076, 3082, 3091, 3097, 3121, 3149, 3177, 3226, 3238, 3239, 3248, 3891, 4019, 4061	17413, 17979, 17984, 18105, 18112	\@startdblcolumn 7376, 7378, 7435, 7437, 10799, 10801, 10839, 10840, 10923, 10925, 11607, 11609, 11660, 11662, 14638, 14641, 14735, 14738, 21055, 21057, 21098, 21100
\@secpenalty . 5, 200, 502, 519, 654, 672, 679, 881, 898, 916, 1137, 1155, 1163, 8444, 8458, 12958, 18980, 19112, 19167, 19531, 19538, 19639, 19646	\@settab 6325 \@sevenscol@footgroupv@r 9712 \@sevenscolLTRfootfmt .. 9738, 9759, 9787 \@sevenscolLTRfootnotetext 9707, 9731 \@sevenscolRTLfootfmt .. 9748, 9762, 9799 \@sevenscolRTLfootnotetext 9708, 9741 \@sevenscolfootfmt . .. 9728, 9756, 9774 \@sevenscolfootnotetext 9706, 9721 \@sharp 393, 1433, 1434, 1435, 1441, 1442, 1443, 12820, 12826, 13636, 18746, 18781, 18787, 20929	\@startfield 6367 \@startpbox .. 1408, 1409, 1474, 1475, 1476, 7116, 7117, 7118, 13623, 13624, 13630, 18744, 18782, 20926 \@startsection 23, 12952 \@starttoc .. 5630, 5638 \@stopfield 6332, 6347, 6351, 6379, 21296 \@stopline . 6351, 21296 \@stpelt 3418, 3422, 3424 \@strip 14747 \@subjclass 324 \@subject 16921, 16922, 17000, 17034, 17035, 17470, 17471, 17549, 17583, 17584, 18169, 18170, 18248, 18282, 18283
\@sectiontitlecolour 2407, 2424 \@seesize . 18772, 18775 \@setcol 10933 \@setcolbox 10894, 10930 \@setcopyright 112, 12978 \@setfontsize . 4444, 4453, 5663, 5673, 5674, 5675, 5676, 5677, 5678, 5679	\@sixcol@footgroupv@r 9603 \@sixcolLTRfootfmt .. 9629, 9650, 9678 \@sixcolLTRfootnotetext 9598, 9622 \@sixcolRTLfootfmt .. 9639, 9653, 9690 \@sixcolRTLfootnotetext 9599, 9632 \@sixcolfootfmt 9619, 9647, 9665 \@sixcolfootnotetext 9597, 9612 \@skip@bove 18766, 18768 \@spaces 18804, 18845, 18850 \@spart 8488 \@specialpagefalse 10896, 21322 \@specialstyle 10897, 21322 \@stabarray 18730 \@stabular 18726 \@star@or@long 2914, 2935, 2959, 2970 \@startcolumn ... 11666	\@stopfield 6332, 6347, 6351, 6379, 21296 \@stopline . 6351, 21296 \@stpelt 3418, 3422, 3424 \@strip 14747 \@subjclass 324 \@subject 16921, 16922, 17000, 17034, 17035, 17470, 17471, 17549, 17583, 17584, 18169, 18170, 18248, 18282, 18283 \@subsectioncolour 2409, 2425 \@subtitle 16927, 16997, 17040, 17476, 17546, 17589, 18175, 18245, 18288 \@tabacol 2183, 13621, 18728, 20729, 20909 \@tabarray 374, 398, 402, 2185, 13608, 13610, 20724, 20731, 20911, 20937
\@setfipsbit 2270, 2273, 2276 \@setmarks 7340, 7342, 7372, 7403, 7405, 7431, 10779, 10781, 10798, 10815, 10817, 10835, 11581, 11583, 11603, 11630, 11632, 11656, 14563, 14565, 14634, 14663, 14665, 14731, 21027, 21029, 21051, 21074, 21076, 21094 \@setminipage . 4742, 11333, 11541, 14538 \@setpar 16335, 16378, 16857, 16864, 17406,		



\@tabclassiv	11845,	11846,	7612, 7653, 7674,
.. 2185, 13622,	11883,	11886,	7683, 8032, 8033,
18730, 20731, 20911	11887,	11893,	8034, 8035, 8037,
\@tabclassz .. 1436,	11904,	11905,	8086, 8087, 8088,
2184, 13622,	11911,	11916,	8089, 8091, 9128,
18729, 20730, 20910	11917,	11919,	10736, 10740,
\@tabcr 6328, 6338	11922,	11979,	10748, 10749,
\@tabminus 6326	11980,	11981,	10874, 10875,
\@tabplus 6325	11982,	12439,	10876, 11322,
\@tabular 370, 2171, 20907	12443,	12446,	11346, 11384,
\@tabularcr	12458,	12477,	11429, 11436,
.. 2185, 13626,	12481,	12484,	11446, 11449,
18730, 20731, 20911	12496,	12989,	11453, 11455,
\@tagsextension ...	12992,	13043,	11461, 11495,
..... 2720, 2723	13044,	13691,	11497, 11503,
\@tarlinesep . 18768,	13692,	13694,	11516, 11520,
18769, 18770,	13695,	15159,	11521, 11809,
18771, 18774, 18776	15160,	15161,	11905, 11922,
\@temp@bibkey . 5197,	15164,	15171,	12071, 12252,
5216, 5235, 5263	15177,	15980,	12254, 13240,
\@temp@bibkeyx 5202,	15982,	15984,	13245, 13249,
5203, 5205, 5206,	15988,	16121,	13653, 13654,
5207, 5208, 5221,	16123,	16125,	13657, 14464,
5222, 5224, 5225,	16129,	16712,	14467, 14471,
5226, 5227, 5240,	16713,	16755,	14473, 14479,
5241, 5243, 5244,	16756,	16856,	14481, 14482,
5245, 5246, 5272,	17098,	17101,	14511, 14512,
5273, 5275,	17405,	17678,	14516, 15406,
5276, 5277, 5278	17681,	17978,	15407, 15410,
\@temp@last@bibkey	18104,	18361,	17162, 17176,
..... 5196,	18364,	18853,	17180, 17182,
5197, 5203, 5215,	18855,	18860,	17205, 17206,
5216, 5222, 5234,	18862,	20254,	17208, 17209,
5235, 5241,	20271,	20275,	17211, 17216,
5262, 5263, 5273	20276,	20277,	17221, 17742,
\@tempa ... 123, 126,	20286,	20300,	17756, 17760,
133, 134, 135,	20476,	20479,	17762, 17785,
136, 783, 785,	20485, 20489, 20503		17786, 17788,
787, 791, 1035,	\@tempb 2636,		17789, 17791,
1037, 1039, 1043,	2637, 2639, 2640,		17796, 17801,
1285, 1287, 1289,	11843, 11844,		18425, 18439,
1293, 2598, 2605,	11884, 11886,		18443, 18445,
2636, 2637, 2640,	11914, 11916,		18468, 18469,
2743, 2744, 2747,	11917, 11919,		18471, 18472,
2749, 2751, 2752,	11922, 15163,		18474, 18479,
2755, 2757, 2759,	15164, 15170,		18484, 18827,
2760, 2763, 2765,	15171, 15176, 15177		18847, 20215,
2767, 2768, 2771,	\@tempboxa ... 4992,		20218, 20223,
2773, 10725,	5036, 5080, 7476,		20227, 20231,
11843, 11844,	7500, 7509, 7568,		20235, 20239,



20243,	20247,	378,	379,	381,	10488,	10490,
20251,	20892,	504,	521,	526,	10551,	10565,
20893,	20948,	644,	657,	681,	10570,	10737,
20949,	20950,	686,	871,	872,	10738,	10741,
20951,	21175,	883,	888,	901,	10742,	11320,
21219,	21357,	1127,		1140,	11324,	11778,
21364,	21365,	1165,	1170,	1453,	11780,	11902,
21394, 21395, 21399		1454, 1486, 1487,			11904,	11909,
\@tempc	11885, 11887,	1488, 2338, 2340,			11911,	11912,
	11893, 13071, 13076	5651, 5652, 6421,			11914,	11927,
\@tempcnta	1399, 1458,	6434, 6456, 6461,			11932,	11937,
	1459, 1460, 1462,	6598, 6611, 6633,			11941,	12961,
	1463, 2258, 2264,	6638, 6897, 6912,			12963,	12965,
	2266, 2279, 2280,	6917, 7128, 7129,			12967,	13086,
	2286, 2287, 2613,	7130, 7178, 7183,			13091,	13107,
	2615, 2619, 7103,	7457, 7526, 7527,			13108,	13113,
	7105, 8007, 8064,	7541, 7542, 7546,			13618,	13628,
	13110,	7623, 7701, 7702,			13633,	14582,
	13115,	7716, 7717, 7721,			14586,	14682,
	13139,	7737, 7738, 7978,			14686,	14747,
	15235,	7979, 7980, 7981,			14772,	14795,
	15238,	7999, 8000, 8001,			14807,	14808,
	15248,	8002, 8008, 8010,			14819,	14820,
	15312,	8011, 8015, 8016,			15239,	15835,
	15318,	8017, 8018, 8019,			15848,	15870,
	15323,	8027, 8031, 8034,			15875,	16207,
	16962,	8035, 8036, 8050,			16220,	16242,
	17174,	8051, 8052, 8065,			16247,	16336,
	17511,	8067, 8068, 8072,			16337,	16338,
	17754,	8073, 8074, 8075,			16379,	16380,
	18210,	8076, 8082, 8085,			16381,	16449,
	18437,	8088, 8089, 8090,			16454,	16619,
	20062,	8102, 8103, 8104,			16634,	16639,
	20064,	8248, 8250, 8251,			16757,	16758,
	20084,	8252, 8256, 8263,			16858,	16859,
	20087,	8265, 8267, 8274,			16860,	16865,
	20171,	8298, 8299, 8304,			16866,	16869,
	20173,	8305, 8306, 8307,			17179,	17180,
	21252,	8308, 8423, 8425,			17205,	17206,
	21257, 21259, 21281	8427, 8446, 8451,			17207,	17209,
\@tempcntb	... 2284,	8461,	10186,		17407,	17408,
	2285,	10220,	10221,		17409,	17414,
	15236,	10222,	10223,		17415,	17418,
	15244,	10225,	10234,		17759,	17760,
	15261,	10235,	10238,		17785,	17786,
	17173,	10239,	10282,		17787,	17789,
	17753, 18418, 18436	10283,	10284,		17980,	17981,
\@tempdima	..... 8,	10285,	10287,		17982,	17985,
	10, 12, 14, 203,	10296,	10297,		17989,	17989,
	205, 207, 209,	10300,	10301,		18106,	18107,



18108,	18113,	7464, 7465, 7468,	16873,	17404,
18114,	18117,	7469, 7470, 7471,	17411,	17412,
18442,	18443,	7472, 7473, 7474,	17422,	18103,
18468,	18469,	7625, 7628, 7629,	18110, 18111, 18121	
18470,	18472,	7631, 7633, 7636,	\@tempskipa	
18773,	18776,	7640, 7643, 7646,	.. 6357, 6358, 6359	
18778,	18841,	7650, 7652, 7978,	\@tempswafalse 4166,	
18900,	18901,	7979, 7999, 8000,	4213, 8019, 8076,	
18902,	19122,	8051, 8053, 8056,	11850, 20523, 20566	
19126,	19153,	8103, 8105, 8108,	\@tempwatrue	
19157,	19176,	8254, 8256, 8269,	... 4165, 4210,	
19180,	19193,	8270, 8271, 8272,	8013, 8070, 21009	
19197,	19210,	8274, 8301,	\@temptokena 121, 125,	
19214,	19227,	8304, 10236,	12987, 12991, 15298	
19231,	19244,	10237, 10238,	\@tempx 6259,	
19248,	19261,	10298, 10299,	6260, 12517, 12529	
19265,	19279,	10300, 10730,	\@tempxi 6262,	
19283,	19298,	10731, 10732,	6263, 12548, 12560	
19302,	19318,	10733, 10735,	\@tempxii 6265,	
19322,	19353,	11903, 11904,	6266, 12579, 12591	
19357,	19541,	11910, 11911,	\@tempy 2191, 2192	
19547,	19649,	11913, 11914,	\@tempyi 2194, 2195	
19699,	19702,	13108, 13109,	\@tempyii . . . 2197, 2198	
19703,	19707,	13111, 14747,	\@tencol@footgroupv@r	
20079,	20081,	14772, 16867,	..... 10039	
20110,	20113,	16868, 16869,	\@tencolLTrfootfmt	
20120,	20123,	17416, 17417,	10065, 10086, 10114	
20127,	20132,	17418, 17987,	\@tencolLTrfootnotetext	
20135,	20147,	17988, 17989,	.... 10034, 10058	
20180,	20182,	18115, 18116,	\@tencolRTLfootfmt	
20183,	20186,	18117, 18773,	10075, 10089, 10126	
20189,	20193,	18776, 18778,	\@tencolRTLfootnotetext	
20200,	20202,	20080, 20086,	.... 10035, 10068	
20261,	20262,	20088, 20093,	\@tencolfootfmt . . .	
20275,	20277,	20095, 20098,	10055, 10083, 10101	
20285,	20292,	20102, 20106,	\@tencolfootnotetext	
20438,	20439,	20114, 20116,	.... 10033, 10048	
20458,	20469,	20117, 20130,	\@testopt 2937,	
20470,	20471,	20136, 20138,	2955, 13615, 13616	
20472,	20484,	20441, 20442,	\@testpach 345, 1370,	
20487,	20493,	20444, 20446,	1415, 18866, 20938	
20494,	20816,	20449, 20450,	\@texfileextension	
20817,	20959,	20452, 20455,	..... 2722, 2725	
20960,	21260,	20469, 20470,	\@textbottom . 10483,	
21261,	21262,	20471, 20475,	11781, 16882,	
21263,	21266,	20488, 20492,	16889, 17138,	
21269,	21272,	20493, 20819, 20820	17143, 17431,	
21274, 21297, 21298	\@tempdimc		17438, 17718,	
\@tempdimb . . . 7097,	.. 7098, 16855,		17723, 18130,	
7459, 7462, 7463,	16862, 16863,		18137, 18401, 18406	



<code>\@textsuperscript</code> .	801, 989, 1053,	12521, 12552,
..... 447,	1239, 1301, 1303,	12583, 12646,
450, 737, 799,	1971, 1974, 2214,	12949, 15934,
801, 989, 1053,	2222, 2230, 5302,	15996, 15998,
1239, 1301, 1303,	5304, 5338, 5356,	16073, 16137,
1971, 1974, 5302,	5374, 5400, 5406,	16139, 16333,
5304, 6524, 6701,	5429, 5435, 5458,	16340, 16376,
6840, 6843, 8561,	5464, 6280, 6287,	16383, 16562, 16565
8564, 8658, 8661,	6294, 6524, 6701,	<code>\@thefoot</code> ... 10902,
10661, 10664,	6840, 6843, 8561,	10905, 10909,
14407, 15934,	8564, 8658, 8661,	21325, 21331,
15996, 15998,	8896, 8910, 8924,	21339, 21342, 21377
16073, 16137,	8936, 8947, 8958,	<code>\@thehead</code> ... 10901,
16139, 16333,	8999, 9003, 9005,	10904, 10908,
16340, 16376,	9011, 9015, 9017,	21325, 21331,
16383, 16562, 16565	9023, 9027, 9029,	21338, 21341, 21361
<code>\@texttop</code> . 10479, 11777	9187, 9197, 9207,	<code>\@themargin</code> . 10958,
<code>\@tfor</code> 2259, 10725	9233, 9246, 9258,	11947, 11949,
<code>\@thanks</code> 426, 434, 462,	9296, 9305, 9314,	11954, 11956,
470, 768, 774,	9339, 9351, 9362,	11960, 11962,
813, 819, 1020,	9399, 9409, 9419,	21327, 21329,
1026, 1065, 1071,	9445, 9458, 9470,	21333, 21335, 21354
1270, 1276, 1315,	9508, 9518, 9528,	<code>\@thm</code> 15192, 15213
1321, 1976, 1982,	9554, 9567, 9579,	<code>\@thmcountersep</code> ...
6555, 6561, 6732,	9617, 9627, 9637,	..... 343, 20749
6738, 6819, 6827,	9663, 9676, 9688,	<code>\@threecol@footgroupv@r</code>
6855, 6863, 8542,	9726, 9736, 9746,	..... 9282
8548, 8576, 8582,	9772, 9785, 9797,	<code>\@threecolLTRfootfmt</code>
8637, 8645, 8673,	9835, 9845, 9855,	.. 9307, 9326, 9353
8681, 10642,	9881, 9894, 9906,	<code>\@threecolLTRfootnotetext</code>
10648, 10676,	9944, 9954, 9964,	..... 9277, 9300
10682, 11348,	9990, 10003,	<code>\@threecolRTLfootfmt</code>
11362, 11365,	10015, 10053,	.. 9316, 9329, 9364
14400, 14423,	10063, 10073,	<code>\@threecolRTLfootnotetext</code>
15965, 15971,	10099, 10112,	..... 9278, 9309
16010, 16016,	10124, 10319,	<code>\@threecolfootfmt</code> .
16104, 16112,	10331, 10343,	.. 9298, 9323, 9341
16151, 16159,	10380, 10394,	<code>\@threecolfootnotetext</code>
16354, 16362,	10408, 10661,	..... 9276, 9291
16395, 16403,	10664, 11185,	<code>\@title</code> 320, 416, 437,
16541, 16549,	11190, 11194,	473, 487, 746,
16577, 16585,	11199, 11221,	748, 776, 821,
16940, 16984,	11238, 11254,	834, 998, 1000,
16993, 17489,	11282, 11296,	1028, 1073, 1086,
17533, 17542,	11310, 11353,	1248, 1250, 1278,
18188, 18232, 18241	11358, 11368,	1323, 1337, 1348,
<code>\@thefnmark</code> 44,	11373, 11792,	1985, 2374, 2435,
58, 74, 247,	12299, 12310,	5835, 5920, 6533,
261, 276, 447,	12321, 12332,	6535, 6563, 6710,
450, 737, 799,	12450, 12488,	6712, 6740, 6809,



6830, 6866, 6880, 7930, 8532, 8551, 8585, 8597, 8627, 8648, 8684, 8698, 10632, 10651, 10685, 10697, 14401, 15943, 15945, 15973, 16018, 16031, 16082, 16084, 16114, 16161, 16177, 16188, 16344, 16365, 16406, 16420, 16531, 16552, 16588, 16602, 16925, 16996, 17038, 17474, 17545, 17587, 18173, 18244, 18286	\@todonotes@MissingFigureUp 20418 \@todonotes@author 20329, 20340, 20365, 20383 \@todonotes@currentfigcolor 20400 \@todonotes@currentfigheight 20401 \@todonotes@currentfigwidth 20401, 20403, 20413, 20416 \@todonotes@drawInlineNote 20324 \@todonotes@drawLineToLeftMargin 20352, 20355 \@todonotes@drawLineToRightMargin 20352, 20355 \@todonotes@drawMarginNote 20351, 20354, 20358	\@totalleftmargin . .. 11531, 11535, 11538, 11547, 13129, 13130, 13151, 13753, 15209, 15210, 15229, 15230, 15750, 20775, 20777, 20783, 20785, 20789, 20791, 20795, 20797, 20799, 20834, 20836, 20837, 20838, 20843, 20845, 20846, 20847, 20852, 20854, 20855, 20856, 20861, 20863, 20864, 20865, 21297
\@titlecolour 2404, 2421 \@titlehead 16914, 16916, 16999, 17026, 17028, 17463, 17465, 17548, 17575, 17577, 18162, 18164, 18247, 18274, 18276	\@todonotes@drawMarginNoteWithLine 20346 \@todonotes@ifdisabled 20425 \@todonotes@sizecommand 20329, 20331, 20338, 20340, 20342, 20365, 20367, 20379, 20382, 20383, 20385, 20388	\@trivlist 15203, 15223, 20768 \@twocol@footgroupv@r 9173 \@twocolLTRfootfmt .. 9199, 9220, 9248 \@twocolLTRfootnotetext 9168, 9192 \@twocolRTLfootfmt .. 9209, 9223, 9260 \@twocolRTLfootnotetext 9169, 9202 \@twocolfootfmt 9189, 9217, 9235 \@twocolfootnotetext 9167, 9182 \@twosidefalse ... 4428 \@twosidetrue 4423 \@typeset@protect 2130, 2136, 2142, 2157 \@undeclaredcolor 7143, 7151, 20516, 20517 \@undefined 2188, 13620, 14521 \@undottedtocline 14788
\@tocextra 19073, 19074, 19078, 19080, 19083 \@tocline . 2, 197, 12955 \@tocpagenum 15, 210, 12968 \@tocrmarg 14791, 14803, 14815, 15776, 19117, 19148, 19171, 19188, 19205, 19222, 19239, 19256, 19274, 19293, 19313, 19348, 19399, 19677, 20140, 20257, 20955	\@todonotes@text 20329, 20331, 20340, 20342, 20365, 20367, 20380, 20386, 20389 \@todonotes@textwidth 20363 \@toodeep 20756 \@topnum 111, 314, 459, 810, 1062, 1312, 5913, 6852, 8573, 8670, 10673, 12977, 14420, 16007, 16148, 16392, 16574, 16981, 17530, 18229	
\@todonotes@MissingFigureDown 20419 \@todonotes@MissingFigureText 20396	\@topsep .. 15206, 15226 \@topsepadd 2102, 15207, 15227	



\@unexpandable@protect	17719, 18132,	\@xthm 15211, 15231
..... 2988, 4325	18402, 18739,	\@xtitle 320
\@unrecurse 18763, 18766	18778, 20921,	\@xxpt 5678
\@uppertitleback ..	21039, 21088, 21288	\@xxxii 2285
..... 16944,	\@x 6317, 6318	\@xympar 4998,
17002, 17493,	\@x@sf 5311,	5002, 5042, 5046,
17551, 18192, 18250	5316, 5322, 5325	5086, 5090,
\@urlbordercolor ..	\@xLTRfootnote	21181, 21185,
.... 12748, 12750	... 2179, 2301,	21225, 21229, 21292
\@urlcolor 12762	6158, 6169, 6375,	\@yargdef 2957
\@viipt 4453,	6389, 11193, 11196	\@ympar 21289
5673, 15247, 15260	\@xLTRfootnotenext	\@ythm 15211, 15231
\@viipt 5673, 15247, 15260	... 2178, 2300,	\[..... 6325, 10844
\@viper 7379,	6157, 6168, 6374,	\ \ 122, 397, 744, 789,
7381, 7383, 7438,	6388, 11352,	996, 1041, 1246,
7440, 7442, 7455,	11355, 12318, 18813	1291, 2185, 2482,
7519, 7565, 7693,	\@xRTLfootnote	2488, 2635, 3443,
7742, 14748,	... 2181, 2303,	3459, 3463, 3692,
14763, 14765, 14770	6160, 6171, 6377,	3694, 3695, 3696,
\@viperoutput 7385, 7444	6391, 11184, 11187	3704, 3709, 3710,
\@vipt 5674	\@xRTLfootnotenext	3712, 4758, 4759,
\@vpt 5674	... 2180, 2302,	4760, 4762, 5722,
\@whilenum 13139	6159, 6170, 6376,	6091, 6229, 6531,
\@whiles w 7377, 7436,	6390, 11367,	6708, 7818, 7819,
10800, 10840,	11370, 12307, 18814	7822, 7838, 7925,
10924, 11608,	\@xaddress 321	7930, 7937, 7947,
11661, 14639,	\@xauthor 321	7951, 8795, 8799,
14736, 21056, 21099	\@xcolor@ . 20524, 20567	8808, 12151,
\@wholewidth	\@xcurraddr 322	12154, 12167,
10727, 10729, 10747	\@xemail 322	12170, 12270,
\@width 31,	\@xepersian@pdfcustomproperties	12691, 12706,
235, 383, 533,	..... 1810	12725, 12988,
718, 953, 1198,	\@xfloat 2234	13008, 13012,
1488, 6496, 6649,	\@xfootnote .. 2177,	13202, 13203,
6925, 7130, 7352,	2299, 6156, 6167,	13209, 13210,
7417, 7492, 7666,	6373, 6387, 12644	13613, 13758,
7960, 8516, 8815,	\@xfootnotemark . 12329	15316, 15328,
8864, 10598,	\@xfootnotenext ...	15691, 15692,
10829, 11132,	... 2176, 2298,	15704, 15705,
11134, 11509,	6155, 6166, 6372,	15717, 15718,
11597, 11644,	6386, 12296, 18812	15730, 15941,
12946, 13017,	\@xiipt 5676	15986, 16080,
13635, 13689,	\@xipt 5675	16127, 18080,
13775, 14621,	\@xivpt 303, 5677	18730, 18745,
14723, 14866,	\@xmakefntext .. 800,	18761, 18762,
14880, 14912,	1302, 15997, 16138	18938, 18967,
14960, 15886,	\@xp ... 121, 308, 333,	20362, 20369,
16309, 16465,	334, 7044, 12987	20731, 20868,
16647, 16884,	\@xpt 4444	20911, 20927, 20937
17139, 17433,	\@xstartcol 11684	\{ ... 2047, 13895, 13939



\}	... 2048, 13895, 20736	13269, 13274,	7916, 7917, 7918,
\\]	..... 6326, 10854	14533, 19056,	8307, 12004,
\^	..... 1819, 6108,	19063, 19080, 20396	12005, 13097,
	6109, 6111, 6112	\AddExtraParaSkip .	13099, 13101,
\`	.. 11529, 13750, 15746	10178, 10181, 10306	13102, 13120,
\|	.. 11408, 11409, 11524	\addfontfeature ...	13122, 13123,
		... 2402, 2403,	13125, 13126,
	Numbers	2404, 2405, 2406,	13128, 13129,
\0	..... 1774	2407, 2409, 2410	13130, 13145,
\1	.. 13837, 13888, 13940	\addpenalty 5,	13146, 16859,
\9	..... 1774	200, 502, 519,	16862, 16863,
		654, 672, 679,	16866, 16868,
		881, 898, 916,	17206, 17207,
\_	..... 1590,	1137, 1155,	17408, 17411,
	1870, 5204, 5208,	1163, 6431, 6447,	17412, 17415,
	5223, 5227, 5242,	6454, 6608, 6624,	17417, 17786,
	5246, 5274, 5278,	6631, 6895, 6910,	17787, 17981,
	11401, 11403, 18074	8444, 8458, 8713,	17986, 17988,
		10548, 10563,	18107, 18110,
	A	12958, 15845,	18111, 18114,
\abovecaptionskip .		15861, 15868,	18116, 18469,
	..... 13238,	16217, 16233,	18470, 18999,
	13677, 13679,	16240, 16433,	19000, 19680,
	14460, 14510,	16447, 16617,	19686, 19690, 19694
	17229, 17233,	16632, 18980,	\addvspace .. 5, 200,
	17248, 17256,	18982, 19110,	503, 520, 655,
	17809, 17813,	19112, 19145,	673, 680, 882,
	17828, 17836,	19167, 19531,	899, 917, 1138,
	18492, 18496,	19534, 19538,	1156, 1164, 5716,
	18511, 18519, 21393	19639, 19642, 19646	5773, 6432, 6448,
\abovedisplayshortskip		\address 321, 2436	6609, 6625, 6896,
	.. 4446, 4455, 5665	\addresscolour 2405,	8445, 8459, 8714,
\abovedisplayskip .		7770, 7868, 7874,	10549, 12958,
	..... 4445,	7880, 7886, 7892	15846, 15862,
	4448, 4454, 4461,	\addressfont .. 2414,	16218, 16234,
	4495, 5664, 5671	2422, 2533, 7808,	16434, 16618,
\abstractname .. 622,		7836, 7900, 7934	19114, 19168,
	628, 631, 929,	\addresssymbol	19532, 19539,
	935, 937, 1181,	.. 2396, 7838, 7937	19640, 19643,
	1187, 1190, 6472,	\addresstyle 2422	19647, 19674, 20074
	6660, 15813,	\addtocontents .. 19396	\adjmc@inner 134
	15819, 15822,	\addtocounter	\adjmc@outer 136
	16263, 16269, 16272	..... 13131, 13132	\adjmc@page@sofar@orig
\Acrobatmenu 12767		\addtolength .....	..... 164
\active 6108,		... 2356, 2357,	\adjmult@cols 163
	6109, 6111, 6112	2358, 2359, 2360,	\adjmulticols 132
\add@strip 14772		2361, 2459, 2460,	\adl@act@classz .. 1491
\addcontentsline 546,		2462, 2464, 2465,	\adl@act@CT@setup .
	548, 2479, 4737,	2468, 4530, 4533,	..... 1449, 1456
	8472, 8474,	4534, 4537, 5688,	\adl@activate 1366, 1449



\adl@argarraydashrule	6086, 6087, 6358,	14604,	14607,
..... 1385, 1423	6461, 6483, 6638,	14674,	14676,
\adl@array .. 1363, 1368	6671, 6917, 6980,	14703,	14704,
\adl@arraydashrule	7129, 7137, 7138,	14707,	14761,
..... 1384, 1422	7178, 7290, 7455,	14762,	14763,
\adl@arrayinit ... 1365	7456, 7465, 7526,	14764,	14773,
\adl@arrayrestore 1360	7527, 7542, 7562,	14795,	14808,
\adl@arrayrule 1383, 1421	7565, 7566, 7575,	14820,	14833,
\adl@box 1406, 1408, 1409	7577, 7583, 7584,	14962,	14963,
\adl@class@iiiorvii	7587, 7590, 7593,	14968,	14969,
..... 1412, 1445	7636, 7701, 7702,	14972,	14973,
\adl@class@start ..	7717, 7737, 7738,	15204,	15208,
..... 1411, 1444	7968, 7978, 7979,	15209,	15224,
\adl@CT@setup	7989, 7999, 8000,	15228,	15229,
.. 1448, 1451, 1452	8016, 8017, 8018,	15237,	15323,
\adl@depth	8035, 8044, 8051,	15345,	15373,
\adl@endarray 1360	8073, 8074, 8075,	15380,	15422,
\adl@endmbox	8089, 8096, 8103,	15427,	15428,
\adl@everyvbox 1364, 1365	8251, 8252, 8265,	15429,	15458,
\adl@extract@arc . 1460	8267, 8270, 8271,	15459,	15485,
\adl@extract@dgc . 1463	8272, 8451, 8504,	15496,	15651,
\adl@extract@drsc 1461	8775, 9159, 9161,	15653,	15658,
\adl@height	10186, 10221,	15661,	15684,
\adl@inactivate ...	10223, 10228,	15875,	15902,
..... 1366, 1448	10232, 10283,	16247,	16296,
\adl@LT@array ... 12818	10285, 10290,	16337,	16380,
\adl@noalign	10294, 10570,	16454,	16490,
\adl@org@activate 1449	10612, 10727,	16639,	16693,
\adl@org@classz .. 1492	10729, 10731,	16758,	17095,
\adl@org@endpbox . 1450	10737, 10738,	17675,	18078,
\adl@org@inactivate	10745, 10746,	18358,	18691,
..... 1448	10747, 10917,	18762,	18776,
\adl@putlrc .. 1403,	10918, 11404,	18786,	18806,
1404, 1405, 1433,	11418, 11431,	18901,	18939,
1434, 1435,	11432, 11464,	18955,	18968,
1441, 1442, 1443	11469, 11470,	18972,	19004,
\adl@startmbox ... 1406	11473, 11482,	19005,	19025,
\advance 12, 90, 207,	11546, 11673,	19126,	19157,
293, 311, 379,	11674, 11678,	19180,	19197,
526, 570, 686,	11679, 11681,	19214,	19231,
705, 872, 888,	11682, 11685,	19248,	19265,
968, 1170, 1218,	11686, 11687,	19283,	19302,
1453, 1487, 1774,	11688, 11807,	19322,	19357,
1775, 1944, 1949,	12653, 12663,	19398,	19547,
2266, 2280, 2286,	12919, 12965,	19548,	19656,
2552, 2596, 2631,	13109, 13112,	19707,	20063,
3553, 3712, 3718,	13113, 13147,	20083,	20088,
3728, 3783, 3800,	13628, 13640,	20138,	20139,
3809, 4337, 4946,	13706, 14574,	20140,	20143,
5652, 5727, 6078,	14576, 14603,	20147,	20172,



20183,	20262,	\algocf@makecaption 188	16023,	16091,
20285,	20439,	\algocf@within	16119,	16122,
20441,	20451,	..... 166, 168,	16166,	16190,
20470,	20471,	21461, 21462, 21463	16369,	16410,
20500,	20511,	\alignL 7076	16556,	16592,
20512,	20758,	\alignR 7083	17015, 17564, 18263	
20771,	20772,	\allowbreak	\andify 116, 12982	
20775,	20777,	... 7974, 7995,	\andname .. 789, 1041,	
20783,	20785,	9219, 9222, 9225,	1291, 15986, 16127	
20789,	20791,	9325, 9328, 9331,	\andnext 14399	
20795,	20797,	9431, 9434, 9437,	\AppendToTokenList 3659	
20895,	20896,	9540, 9543, 9546,	\arabic 19,	
20960,	20986,	9649, 9652, 9655,	20, 21, 22, 86,	
21261,	21262,	9758, 9761, 9764,	214, 215, 216,	
21269,	21270,	9867, 9870, 9873,	217, 289, 329,	
21271, 21272, 21297		9976, 9979, 9982,	10880, 10886,	
\afterassignment ..		10085, 10088, 10091	12915, 12972,	
..... 1592,		\Alph 14442	12973, 12974,	
1594, 1872,		\AM@CheckAtEnd .. 15336	12975, 19338, 21459	
1874, 2989, 3792,		\AM@ClearShipoutPicture	\array 400, 20935	
5176, 18836, 18837		..... 15338	\arraycolsep 400	
\aftergroup .. 2084,		\AM@currentdocname	\arraylinesep ... 18769	
2094, 3995, 3997,		.... 15301, 15307	\arrayrulecolor .. 1460	
4007, 4009, 4019,		\AM@findfile 15305	\arrayrulewidth . 18786	
4021, 4039, 4041,		\AM@output 15334	\arraystretch	
4050, 4052, 4061,		\AM@pagecount ... 15303	381, 382, 2078,	
4063, 5160, 5175,		\AM@pageref 15318, 15321	2089, 13633,	
7141, 7143, 7150,		\AM@pagestemp	13634, 18737,	
7156, 7175,		. 15311, 15316,	18738, 18773,	
10945, 10947,		15317, 15320,	20744, 20919, 20920	
15541, 15542,		15328, 15329, 15333	\aslice 15465, 15466,	
15545, 15550,		\AM@readlist 15333	15468, 15470,	
15551, 15555,		\AM@split@options 15297	15471, 15473,	
15560, 15561,		\AM@temp .. 15298, 15299	15486, 15487, 15489	
15565, 15569,		\AM@threadname	\At@ViperColsBreak	
15573, 15577,		15296, 15306, 15307	.. 7604, 7614, 7618	
18973, 20065,		\AM@xrprefix	\AtBeginCaption . 13280	
20505, 20514,		15314, 15318, 15321	\AtBeginDocument ..	
20516, 20553,		\and 441, 477, 755, 781,	... 1583, 1730,	
20557, 20610,		784, 826, 1007,	2371, 2431, 2528,	
20621, 20622,		1033, 1036, 1078,	3301, 4390, 4539,	
20625, 20630,		1257, 1283, 1286,	4766, 4900, 4905,	
20631, 20635,		1328, 1350, 1989,	4958, 5769, 5969,	
20640, 20641,		6542, 6568, 6719,	6034, 7847, 7961,	
20645, 20650,		6745, 6834, 6870,	7982, 8003, 8411,	
20654, 20659,		8555, 8589, 8652,	11261, 11796,	
21307, 21317, 21318		8688, 10655,	12268, 13288,	
\ALG@floatstyle ...		10689, 14398,	13295, 13378,	
.. 4961, 4962, 4963		15300, 15952,	15762, 18752, 20212	
\algocf@float ... 21459		15978, 15981,	\AtBeginPackage . 14503	



7928, 7933, 7951,	20376, 20399,	12330, 12428,
8120, 8123, 8127,	20403, 20409, 20416	12448, 12486,
8129, 8134, 8136,	<code>\begin@bidi@stack</code> .	12519, 12550,
8140, 8143, 8146,	..... 2653,	12581, 12815,
8150, 8152, 8156,	2663, 2664,	12830, 12959,
8158, 8162, 8165,	2677, 2687, 2688	12985, 13054,
8168, 8172, 8174,	<code>\begingroup</code> . 6, 119,	13084, 13272,
8179, 8181, 8330,	201, 302, 315,	13637, 14405,
8396, 8523, 8531,	372, 384, 445,	14535, 14636,
8536, 8595, 8601,	505, 522, 656,	14733, 14943,
8616, 8626, 8631,	682, 796, 884,	14947, 14951,
8694, 8702, 8794,	900, 1048, 1139,	15294, 15342,
10623, 10631,	1166, 1298, 1479,	15633, 15847,
10636, 10695,	1969, 2212, 2220,	15871, 15993,
10701, 10847,	2228, 2607, 2635,	16134, 16219,
12019, 12024,	2654, 2678, 2897,	16243, 16373,
12042, 12145,	2916, 3055, 3101,	16435, 16450,
12147, 12161,	3108, 3138, 3154,	16560, 16620,
12163, 13007,	3170, 3210, 3218,	16635, 16969,
14548, 15244,	3251, 3299, 3426,	17085, 17178,
15926, 15939,	3634, 3636, 3666,	17518, 17665,
15950, 16029,	3676, 3686, 3816,	17758, 18217,
16035, 16063,	3889, 3913, 3928,	18348, 18441,
16078, 16089,	3994, 4005, 4017,	18835, 18952,
16173, 16181,	4038, 4048, 4059,	18976, 19115,
16190, 16192,	4209, 4323, 4335,	19542, 19650,
16193, 16323,	4370, 4739, 5158,	20061, 20178,
16343, 16348,	5404, 5433, 5462,	20518, 20561,
16424, 16520,	5836, 5853, 5869,	20610, 20722,
16530, 16535,	5881, 5914, 6218,	21053, 21096, 21307
16598, 16606,	6278, 6285, 6292,	<code>\beginL</code> ... 176, 1464,
16895, 16915,	6322, 6433, 6457,	1627, 1899, 2533,
16920, 16930,	6610, 6634, 6838,	5020, 5064, 7106,
16943, 16947,	6898, 6913, 7002,	7135, 7141, 7143,
17027, 17033,	7121, 7175, 7184,	7175, 9192, 9244,
17044, 17086,	7374, 7433, 8246,	9300, 9349, 9404,
17444, 17464,	8262, 8447, 8460,	9456, 9513, 9565,
17469, 17479,	8559, 8656, 8715,	9622, 9674, 9731,
17492, 17496,	10217, 10279,	9783, 9840, 9892,
17576, 17582,	10550, 10566,	9949, 10001,
17593, 17666,	10659, 10799,	10058, 10110,
18143, 18163,	10837, 10921,	10740, 10851,
18168, 18178,	10937, 11188,	10866, 11033,
18191, 18195,	11197, 11356,	11798, 11804,
18275, 18281,	11371, 11378,	11813, 11833,
18292, 18349,	11430, 11463,	11849, 11859,
19018, 20326,	11605, 11658,	12652, 13241,
20333, 20336,	11832, 11848,	15343, 15535,
20347, 20360,	12018, 12297,	15541, 15557,
20363, 20370,	12308, 12319,	15633, 16805,



16816, 16823,	14501, 14518,	15549, 15553,
16833, 18903,	17227, 17235,	15559, 15563,
20509, 20514,	17246, 17258,	15568, 15571,
20516, 20610,	17807, 17815,	15576, 15821,
20615, 20621,	17826, 17838,	16271, 18727,
20637, 21203,	18490, 18498,	18735, 18743,
21281, 21361, 21377	18509, 18521, 21401	18749, 18780,
\beginR 174, 336, 341,	\belowdisplayshortskip	18784, 18788,
372, 397, 1465,	.. 4447, 4456, 5666	20170, 20623,
2182, 5020, 5108,	\belowdisplayskip .	20629, 20633,
7033, 7107, 7136,	..... 4448,	20639, 20643,
7141, 7150, 7156,	4461, 4496, 5671	20649, 20652,
7175, 8239, 9152,	\bf .. 1905, 15406, 15408	20658, 20722,
9156, 10876,	\bfseries .. 25, 303,	20728, 20908,
11800, 11805,	509, 525, 554,	20917, 20925, 20933
11862, 11901,	557, 661, 685,	\bib@after@hook ...
11908, 12277,	887, 905, 1144,	..... 17130,
12285, 12667,	1169, 1635, 2033,	17132, 17710,
12703, 12735,	2503, 5896, 6438,	17712, 18393, 18395
12764, 12790,	6460, 6615, 6637,	\bib@before@hook ..
12796, 12803,	6762, 6774, 6902,	..... 17080,
13000, 13241,	6916, 6948, 6954,	17131, 17660,
13653, 13717,	6962, 8450, 8465,	17711, 18343, 18394
13720, 13730,	8480, 8483, 8492,	\bib@beginhook 17073,
13821, 13829,	8719, 8742, 8748,	17079, 17653,
14020, 14346,	8757, 10555,	17659, 18336, 18342
14511, 14513,	10569, 10580,	\bib@endhook
15410, 15535,	10585, 10593,	17134, 17714, 18397
15542, 15547,	12954, 15852,	\bib@heading
15629, 15630,	15874, 16224,	17075, 17658, 18341
15631, 16799,	16246, 16420,	\bibcleanup 15151
16809, 16820,	16439, 16453,	\bibentry 5206, 5208,
16827, 17221,	16624, 16638,	5225, 5227, 5244,
17801, 18484,	16669, 16674,	5246, 5276, 5278
18727, 18749,	16682, 19546,	\bibfont 15130
18788, 18910,	19655, 20004,	\bibindent .. 2537, 2538
20510, 20514,	20008, 20013, 20042	\bibitem@fin 15145
20553, 20557,	\bgroup 171, 172, 372,	\bibliofont 85, 288, 12914
20610, 20615,	387, 392, 397,	\bibliographyitemlabel
20622, 20627,	630, 1189, 1465,	..... 2539, 2546
20878, 20881,	1596, 1876, 2172,	\bibname 5752,
20884, 20901,	2294, 6150, 6368,	5753, 6476, 6477,
20908, 20933,	6382, 7035, 7107,	6664, 6665, 6973,
21247, 21281,	10851, 10852,	6974, 8768,
21298, 21300,	10866, 11322,	8769, 10605,
21361, 21377,	11483, 13641,	10606, 15895,
21396, 21399, 21407	13643, 13683,	15896, 16289,
\belowcaptionskip .	13717, 13720,	16290, 16483,
..... 13251,	13740, 14748,	16484, 16686, 16687
13677, 13679,	15354, 15543,	\bibpostamble ... 15146



\bibpreamble	16486, 16689,	3288, 10971, 21384
. 15129, 17076,	17089, 17669,	\bidi@AfterPackage 4030
17077, 17655,	18352, 19021, 20753	\bidi@AfterPreamble
17656, 18338, 18339	\bidi@addto@envbody	. 3301, 3302, 13185
\bibsection .. 5747,	.. 2649, 2667, 2669	\bidi@AfterReadingMainAux
5750, 5752,	\bidi@addto@long@envbody	..... 4312, 4315
5753, 14545,	.. 2673, 2691, 2693	\bidi@append . 3212, 3262
15127, 19015, 19017	\bidi@AfterAtEndOfClass	\bidi@append@cslist@to@cslist
\bidi@@convert@dimen@to@pt	..... 3997, 4002	..... 3647, 3720
..... 2835	\bidi@AfterAtEndOfPackage	\bidi@append@list@to@list
\bidi@@convert@dimen@to@unit	..... 4041, 4045	..... 3643, 3729
..... 2832	\bidi@AfterClass . 3985	\bidi@append@to@list
\bidi@@diagbox@double@ii	\bidi@AfterEndDocument	..... 3622, 3641
..... 8121, 8125	.. 3342, 3347, 3353	\bidi@append@toks@cs@to@list
\bidi@@diagbox@double@iiiii	\bidi@AfterEndDocumentCheckLabelsRerun..... 3651	
..... 8124, 8132	.. 2586, 3314, 3319	\bidi@appto .. 2991,
\bidi@@diagbox@triple@setbox@SE@tabular@th	\bidi@AfterEndDocumentCheckLabelsRerunhook..... 3307, 4352	..... 3307, 4352
.. 8141, 8144, 8148	.. 3314, 3315, 3320	\bidi@apptocmd
\bidi@@diagbox@triple@setbox@SE@tabular@th	\bidi@AfterEndDocumenthook	. 3208, 3209, 18931
..... 8147, 8154	..... 3342,	\bidi@are@these@correct
\bidi@@diagbox@triple@setbox@SE@tabular@th	..... 3348, 3354	..... 3619, 3622
..... 8163, 8170	\bidi@AfterEndEnvironment	\bidi@AtBeginEnvironment
\bidi@@diagbox@triple@setbox@SE@tabular@th	..... 3401, 3410	..... 3357, 3370
.. 8166, 8169, 8177	\bidi@AfterEndPreamble	\bidi@AtEndEnvironment
\bidi@@end .. 3351, 3355	..... 3304,	..... 3374, 3384
\bidi@@footnotetext@font	3308, 3310, 3325,	\bidi@AtEndOutputPage
. 38, 241, 5334,	4394, 5910, 5933	..... 2630,
11208, 11215, 11306	\bidi@afterendpreamblehook	3290, 10976, 21389
\bidi@@loadwithoptions	..... 3304,	\bidi@atendoutputpagehook
..... 3908,	3305, 3309, 3311	..... 3290,
3915, 3918, 3922	\bidi@AfterFile 3982,	3291, 10977, 21390
\bidi@@LTRfootnotetext@font	17238, 17818, 18501	\bidi@AtEndPreamble
. 68, 270, 5352,	\bidi@AfterFooter .	..... 1778,
11209, 11248, 11292	..... 3283, 21379	3265, 3295, 3297,
\bidi@@null . 3526, 3527	\bidi@afterfooterhook	3302, 4392, 5190,
\bidi@@onefilewithoptions	. 3283, 3284, 21380	13254, 14909, 14965
.. 3930, 3933, 3936	\bidi@AfterLastShipout	\bidi@autofooterulefalse
\bidi@@patchcmd ...	.. 3327, 3333, 3339	11136, 11140, 11143
..... 3103, 3105	\bidi@afterlastshipouthook	\bidi@autofooteruletrue
\bidi@@RTLfootnotetext@font	..... 3327,	..... 11158
. 52, 255, 5370,	3328, 3334, 3340	\bidi@backslash ...
11210, 11232, 11278	\bidi@AfterOutputBoxOutputPage	..... 3443, 3444
\bidi@@thebibliography@font@hook	3277, 10967, 21370	\bidi@BeforeBeginEnvironment
.. 88, 291, 566,	\bidi@afteroutputboxoutputpagehook 3388, 3396	\bidi@BeforeClass 3983
701, 964, 1214,	..... 3277,	\bidi@BeforeClosingMainAux
2545, 6479, 6667,	3278, 10968, 21371	..... 4275,
6976, 8500, 8771,	\bidi@AfterOutputPageShipOut	4286, 4290,
10608, 12917,	3287, 10970, 21383	\bidi@afteroutputpageshipouthook
14547, 15132,	\bidi@afteroutputpageshipouthook	4293, 4301, 4304
15898, 16292,	..... 3287,	\bidi@BeforeFile . 3981



\bidi@BeforeFooter	\bidi@counter@page	3083, 3085, 3087,
..... 3280, 21372	..... 2600, 2629	3089, 3090, 3092,
\bidi@beforefooterhook	\bidi@cs@a .. 3528, 3529	3094, 3096, 3202,
. 3280, 3281, 21373	\bidi@cs@e ... 3699,	3227, 3229, 3231,
\bidi@BeforeHeader	3700, 3702,	3234, 3240, 3242
3271, 10960, 21355	3703, 3706, 3708	\bidi@dbg@init 3061,
\bidi@beforeheaderhook	\bidi@cs@list a 3672,	3080, 3201, 3224
..... 3271,	3673, 3674,	\bidi@dbg@succ
3272, 10961, 21356	3675, 3684, 3685	... 3107, 3203,
\bidi@BeforeOutputBoxOutputPage	\bidi@cs@list b 3669, 3671	3235, 3243, 3245
3274, 10964, 21367	\bidi@cs@list e 3667, 3672	\bidi@dbg@trce
\bidi@beforeoutputboxoutputPage	\bidi@cs@ppto 3035	... 3054, 3100,
..... 3274,	\bidi@cs@arg	3200, 3209, 3217
3275, 10965, 21368	... 3455, 3471,	\bidi@default . 3570,
\bidi@BeforeOutputPageShipOut	3545, 3552, 3570,	3575, 3580,
3268, 10942, 21313	3575, 3580, 3585,	3585, 3591, 3596
\bidi@beforeoutputpageshipouthook	3591, 3596, 3638,	\bidi@del@tok@from@list
..... 3268,	3639, 3657, 3663,	..... 3666
3269, 10943, 21314	3674, 3684, 3693,	\bidi@digits
\bidi@BeforePackage	3703, 3707, 3711	.. 1768, 1774, 1775
..... 4028	\bidi@cs@defcs 2903	\bidi@digits@charclass
\bidi@bswitch 3585, 3587	\bidi@cs@eappto 3036, 3039	..... 1770,
\bidi@CharsBefore .	\bidi@cs@epreto 3045, 3048	1774, 1775, 1776
..... 3500,	\bidi@cs@gappto	\bidi@dummies
3502, 3503, 3508,	... 3037, 3358,	.. 3550, 3552, 3553
3512, 3513, 3518	3375, 3389, 3401	\bidi@eappto
\bidi@CharsBeforeNC	\bidi@cs@gpreto ... 3046	.. 2995, 3008, 3036
..... 3501	\bidi@cs@let 2909	\bidi@empty
\bidi@clearpage ...	\bidi@cs@letcs 2906	... 1783, 1784,
..... 3336, 3338	\bidi@cs@name	3525, 3528, 3529
\bidi@collect@body	... 3467, 3618,	\bidi@empty@stack .
..... 2655, 2662	3624, 3669, 3703	..... 3710, 3716
\bidi@collect@body 2650	\bidi@cs@preto 3044	\bidi@empty@toks ..
\bidi@collect@long@body	\bidi@cs@protect .. 3772	.. 3723, 3726, 3730
..... 2679, 2686	\bidi@cs@suse	\bidi@endpreamblehook
\bidi@collect@long@body	... 2978, 3365,	..... 3265,
..... 2674	3379, 3392, 3405	3266, 3296, 3298
\bidi@column@check@number	\bidi@cs@switch 3580, 3582	\bidi@ensure@new@command
. 20970, 20986,	\bidi@cs@xappto 3038, 3040	..... 2914, 2915
20988, 20990, 21002	\bidi@cs@xpreto 3047, 3049	\bidi@ensure@newcommand
\bidi@column@status	\bidi@current@column@status	... 2914, 8968,
. 1718, 1722, 20972	20972, 20975, 21008	8980, 8981, 8982,
\bidi@column@type .	\bidi@dbg@fail 3063,	8988, 8989, 8993,
20987, 20992, 21003	3073, 3074, 3075,	8994, 8995, 8996,
\bidi@copy@stacktop	3076, 3082, 3091,	9008, 9020, 9042,
..... 3705	3097, 3204, 3226,	9043, 9071, 9072,
\bidi@copyins@amount	3238, 3239, 3248	9073, 9074, 9077,
. 11677, 11678,	\bidi@dbg@info	9083, 9085, 9110,
11679, 11682,	... 3064, 3066,	9111, 9129, 9144,
11687, 11688, 11700	3069, 3071, 3072,	9147, 9150, 9155,



9158, 9160, 9164,	10400, 10414,	\bidi@gobbleopt ...
9182, 9192, 9202,	10424, 10434,	..... 4232, 4241
9212, 9217, 9220,	10443, 10452,	\bidi@gpreto . 3021, 3046
9223, 9226, 9238,	10464, 10470,	\bidi@hook@acma ...
9251, 9263, 9268,	10474, 10485, 10486	... 4256, 4300,
9273, 9291, 9300,	\bidi@ensure@newlength	4313, 4314, 4319
9309, 9318, 9323,	.. 2921, 8992, 9075	\bidi@hook@bcma ...
9326, 9329, 9332,	\bidi@epreto .....	... 4250, 4299,
9343, 9355, 9366,	.. 3017, 3030, 3045	4302, 4303, 4309
9371, 9376, 9394,	\bidi@eqs@a . 3481, 3482	\bidi@hooktocmd ...
9404, 9414, 9424,	\bidi@eqs@b . 3481, 3482	.. 3212, 3220, 3222
9429, 9432, 9435,	\bidi@EqualString 3481	\bidi@hooktocmd@i .
9438, 9450, 9463,	\bidi@EqualStringX 3486	..... 3236, 3250
9475, 9480, 9485,	\bidi@error	\bidi@hop@ES . 3489, 3491
9503, 9513, 9523,	... 2923, 2963,	\bidi@ifblank@i ...
9533, 9538, 9541,	3555, 3662, 3831	.. 2875, 2876, 2878
9544, 9547, 9559,	\bidi@everyjob 1523,	\bidi@ifdefmacro ..
9572, 9584, 9589,	1524, 1844, 1845	..... 2881,
9594, 9612, 9622,	\bidi@excludedpackages	2883, 2884, 2885
9632, 9642, 9647,	..... 4069,	\bidi@ifdefparam ..
9650, 9653, 9656,	4070, 4090, 4126,	..... 3182,
9668, 9681, 9693,	4143, 4151, 4161,	3184, 3185, 3186
9698, 9703, 9721,	4183, 4184, 4192,	\bidi@ifdefprotected
9731, 9741, 9751,	4193, 4198, 4211	..... 3191,
9756, 9759, 9762,	\bidi@expandonce ..	3193, 3194, 3195
9765, 9777, 9790,	..... 2983,	\bidi@ifEmpty 3528
9802, 9807, 9812,	2994, 2998, 3002,	\bidi@ifempty 3526
9830, 9840, 9850,	3006, 3016, 3020,	\bidi@ifemptyX ... 3527
9860, 9865, 9868,	3024, 3028, 3246	\bidi@ifhashcheck .
9871, 9874, 9886,	\bidi@ff@box 10984, 11002	.. 3068, 3153, 3233
9899, 9911, 9916,	\bidi@firstcolumn@status@write	\bidi@ifhashcheck@i
9921, 9939, 9949,	..... 1716,	..... 3157, 3159
9959, 9969, 9974,	1724, 7355, 7414,	\bidi@ifhashcheck@ii
9977, 9980, 9983,	10790, 10826,	..... 3161,
9995, 10008,	11594, 11647,	3164, 3165, 3166
10020, 10025,	14624, 14720,	\bidi@ifNextChar . 3536
10030, 10048,	20979, 21042, 21085	\bidi@ifpatchable .
10058, 10068,	\bidi@font@@outputpage	.. 3057, 3059, 3106
10078, 10083,	10950, 21304, 21346	\bidi@ifpatchable@i
10086, 10089,	\bidi@footdir@footnote	..... 3057, 3078
10092, 10104,	..... 79, 282,	\bidi@ifpattern ...
10117, 10129,	11263, 11265, 11269	..... 3070, 3169
10134, 10139,	\bidi@fswitch 3596, 3598	\bidi@ifscanable ..
10147, 10154,	\bidi@gappto .. 2624,	..... 3067,
10158, 10168,	2999, 3037, 3265,	3088, 3137, 3232
10176, 10189,	3268, 3271, 3274,	\bidi@in@front@of@clist
10307, 10325,	3277, 3280, 3283,	..... 3675, 3676
10337, 10349,	3287, 3290, 3304,	\bidi@in@front@of@list
10353, 10357,	3314, 3327, 3342	..... 3674
10361, 10386,		\bidi@info 2925



\bidi@init@mult@footinsv@l	13408,	13411,	.. 3711, 3712, 3715
.... 14979, 14993	13414,	13417,	\bidi@length@of@stack
\bidi@init@mult@footinsv@r	13420,	13423,	..... 3711, 3725
.... 14975, 14991	13426,	13429,	\bidi@load@hook 3901,
\bidi@invert@csstack	13432,	13435,	3904, 3937, 3974
..... 3715	13438,	13441,	\bidi@loadwithoptions
\bidi@IsEmptyList 3529	13444,	13447,	.. 3909, 3910, 3915
\bidi@isloaded	13450,	13453,	\bidi@local@in@front@of@list
.. 3129, 13304,	13456,	13459,	..... 3679, 3696
13305, 13306,	13462,	13465,	\bidi@local@push@onto
13307, 13308,	13468,	13471,	..... 3695
13309, 13310,	13474,	13477,	\bidi@looprepeat@comp
13311, 13312,	13480,	13483,	.. 3789, 3825, 3830
13313, 13314,	13486,	13489,	\bidi@looprepeat@csarg
13315, 13316,	13492,	13495,	..... 3767, 3819
13317, 13318,	13498,	13501,	\bidi@looprepeat@csargromannumeral
13319, 13320,	13504,	13507,	... 3769, 3784,
13321, 13322,	13510,	13513,	3785, 3786, 3787,
13323, 13324,	13516,	13519,	3788, 3791, 3796,
13325, 13326,	13522,	13525,	3797, 3798, 3799,
13327, 13328,	13528,	13531,	3800, 3802, 3808,
13329, 13330,	13534,	13537,	3821, 3823, 3824,
13331, 13332,	13540,	13543,	3825, 3832, 3833,
13333, 13334,	13546,	13549,	3835, 3840, 3848
13335, 13336,	13552,	13555,	\bidi@looprepeat@csromannumeral
13337, 13338,	13558,	13561,	..... 3768,
13339, 13340,	13564,	13567,	3792, 3800,
13341, 13342,	13570,	13573,	3803, 3819, 3847
13343, 13344,	13576,	13579,	\bidi@looprepeat@depth
13345, 13346,	13582,	13585,	... 3768, 3769,
13347, 13348,	13588, 13591, 13594		3771, 3783, 3809
13349, 13350,	\bidi@lastcolumn@status@own	\bidi@looprepeat@dxbody	..... 3792, 3796
13351, 13352,	..... 1720,		\bidi@looprepeat@setup
13353, 13354,	1725, 7359,		..... 3789, 3815
13355, 13356,	7420, 10794,		\bidi@looprepeat@sign
13357, 13358,	10832, 11600,		.. 3789, 3800, 3830
13359, 13360,	11651, 14628,		\bidi@looprepeat@tmp
13361, 13362,	14726, 21046, 21091		..... 3790,
13363, 13364,	\bidi@leave@mult@copyins		3791, 3818, 3820,
13365, 13366,	.... 14961, 15053		3823, 3828, 3835,
13367, 13368,	\bidi@leave@mult@footins@v1		3838, 3840, 3843
13369, 13370,	.... 14971, 15049		\bidi@looprepeat@traceexit
13371, 13372,	\bidi@leave@mult@footins@v		..... 3774, 3809
13373, 13374,	.... 14967, 15045		\bidi@looprepeat@traceinit
13375, 13376,	\bidi@leftskip ....		..... 3774, 3782
13377, 13380,	. 19547, 19548,		\bidi@looprepeat@zero
13383, 13386,	19549, 19656,		.. 3789, 3808, 3846
13389, 13392,	19676, 19707,		\bidi@lst@caption@direction
13395, 13398,	19708, 19740, 20661		..... 13203,
13401, 13405,	\bidi@length@of@csstack		



13204, 13216, 13219	\bidi@new@ifnch ...	15538, 15539,
\bidi@lst@caption@script	..... 2700, 2702	20616, 20618, 20619
..... 13210,	\bidi@new@ifnextchar	\bidi@oldwbuskip ..
13211, 13227, 13230	..... 2697, 20743	..... 3661, 3664
\bidi@lst@ensure@caption@direction	\bidi@new@command ..	\bidi@onefilewithoptions
..... 13214,	..... 2937, 2939	.. 3925, 3926, 3930
13239, 13241,	\bidi@new@robustcmd	\bidi@orig@leftline
13243, 13262,	..... 1591,	20886, 20888, 20889
13266, 13273, 13282	1593, 2934, 2935,	\bidi@orig@raggedleft
\bidi@lst@ensure@caption@script	2959, 2970, 2991,	20871, 20873, 20874
13225, 13237, 13281	2995, 2999, 3003,	\bidi@orig@raggedright
\bidi@make@mppara@LTRfootgroup	3008, 3009, 3013,	20872, 20873, 20874
10214, 10276, 10443	3017, 3021, 3025,	\bidi@orig@rightline
\bidi@make@para@footstart@	3030, 3031, 3035,	20887, 20888, 20889
10205, 10263, 10464	3036, 3037, 3038,	\bidi@oswitch 3575
\bidi@make@para@LTRfootgroup	3039, 3040, 3044,	\bidi@p@ftn .. 2126,
10203, 10261, 10424	3045, 3046, 3047,	2189, 2191, 2192,
\bidi@make@colbf ...	3048, 3049, 3053,	2194, 2195, 2197,
.... 10526, 10540	3099, 3198, 3208,	2198, 2202,
\bidi@matrix@check	3216, 3265, 3268,	2205, 2208, 2313
..... 2706, 20738	3271, 3274, 3277,	\bidi@p@ftntext ...
\bidi@matrix@error	3280, 3283, 3287,	.. 2173, 2190, 2295
..... 2708, 2712	3290, 3301, 3304,	\bidi@p@LTRftntext
\bidi@mopfn@bottom	3314, 3327, 3342,	.. 2174, 2193, 2296
..... 9131,	3357, 3374, 3388,	\bidi@p@RTLftntext
10455, 10491,	3400, 20711, 20713	.. 2175, 2196, 2297
10504, 10541, 10542	\bidi@next ... 3502,	\bidi@p@xfootnote .
\bidi@mopfootnotebf	3503, 3505, 3507,	.. 2177, 2211, 2299
.... 10500, 10534	3508, 3510, 3515,	\bidi@p@xftntext ..
\bidi@mpfootnoterule	3517, 3518, 3520	..... 2176,
. 11040, 11274,	\bidi@NextChar ... 3533	2201, 2216, 2298
11288, 11302,	\bidi@normal@footmarkwidth	\bidi@p@xLTRfootnote
11340, 13795, 18929	... 8977, 9035,	.. 2179, 2219, 2301
\bidi@mswitch 3591, 3593	9041, 9180, 9289,	\bidi@p@xLTRftntext
\bidi@multicol@align@columns	9392, 9501, 9610,	..... 2178,
..... 14848,	9719, 9828, 9937,	2204, 2224, 2300
14902, 14905, 14907	10046, 10241, 10303	\bidi@p@xRTLfootnote
\bidi@n@everypar ..	\bidi@notblank 2877,	.. 2181, 2227, 2303
. 15537, 15538,	2885, 3186, 3195	\bidi@p@xRTLftntext
15539, 15540,	\bidi@nxt@a .....	..... 2180,
20432, 20617,	.. 3534, 3537, 3539	2207, 2232, 2302
20618, 20619, 20620	\bidi@nxt@b	\bidi@page@count ..
\bidi@namedef 3412	.. 3534, 3537, 3540	..... 2567,
\bidi@nameedef ... 3414	\bidi@nxt@c	2568, 2602, 2631
\bidi@namegdef 2629, 3413	.. 3535, 3538, 3539	\bidi@paraskip 10225,
\bidi@namelongdef 2912	\bidi@nxt@ch	10228, 10232,
\bidi@namexdef ... 3415	.. 3534, 3537, 3539	10287, 10290, 10294
\bidi@new@command .	\bidi@c@everypar ..	\bidi@patch@@AfterPackage
..... 2935,	..... 15536,	..... 4364, 4369
2937, 2966, 2974		



\bidi@patch@Add ...	15031, 15039,	\bidi@protected@eappto
..... 4351, 4380	18918, 18926, 21109	..... 3008
\bidi@patch@AfterPackage	\bidi@patchcmd@scantoks	\bidi@protected@epreto
..... 4354,	.. 3117, 3123, 3258	..... 3030
5302, 5304, 5307,	\bidi@pdfencrypt@keylength	\bidi@protected@immediate@write
5328, 5479,	..... 1644, 1796	.. 4305, 4316, 4322
5529, 5585, 5829	\bidi@pdfencrypt@ownerpassword	\bidi@protected@exappto
\bidi@patch@counter	.. 1641, 1783, 1795	..... 3009
..... 4332,	\bidi@pdfencrypt@permissionflags	\bidi@protected@xpreto
4336, 4339,	..... 1647, 1797	..... 3031
4345, 4346, 4365	\bidi@pdfencrypt@userpassword	\bidi@provide@command
\bidi@patch@gttemp .	.. 1638, 1784, 1794	..... 2970, 2972
..... 4372, 4379	\bidi@pdfm@mark ...	\bidi@providerobustcmd
\bidi@patch@list ..	..... 1917, 1932	..... 2970
... 4350, 4352,	\bidi@pickescape . 3476	\bidi@push@begins .
4390, 4392, 4399	\bidi@pop@cs@into .	.. 2659, 2660, 2663
\bidi@patch@OrgIfClassLater	..... 3699, 3718	\bidi@push@cs@onto@cs
..... 4398, 4403	\bidi@pop@into 3702, 3728	..... 3692, 3719
\bidi@patch@OrgIfClassLoaded	\bidi@prepend 3220, 3263	\bidi@push@long@begins
..... 4397, 4402	\bidi@prepend@cslist@to@cslist	.. 2683, 2684, 2687
\bidi@patch@OrgIfPackageLater	..... 3649	\bidi@push@onto .. 3693
..... 4396, 4401	\bidi@prepend@list@to@list	\bidi@push@onto@cs
\bidi@patch@OrgIfPackageLoaded	..... 3645	..... 3693, 3694
..... 4395, 4400	\bidi@prepend@to@list	\bidi@raggedleft ..
\bidi@patch@stepcounter	..... 3642	... 2480, 2487,
.. 4334, 4344, 4363	\bidi@prepend@toks@cs@to@list	2492, 2511, 7818,
\bidi@patch@temp ..	..... 3652	7934, 10758,
..... 4362, 4366	\bidi@preto	10764, 12061, 20876
\bidi@patch@try ...	.. 3013, 3044, 3293	\bidi@raggedright .
..... 4381, 4384	\bidi@pretocmd 3216,	. 10756, 10762,
\bidi@patchcmd	3217, 3391, 3435	15061, 15064,
..... 171, 179,	\bidi@PreventPackageFromLoading	15066, 15069,
188, 3099, 3100,	..... 4072,	15071, 15073,
3317, 3330, 3345,	4086, 4116, 4149	15076, 15078,
3363, 3377, 3403,	\bidi@process@envbody	15080, 15082,
4623, 8119, 8122,	... 2652, 2656,	15085, 15087,
8139, 8142, 8145,	2657, 2671, 2676,	15089, 15091,
8161, 8164, 8167,	2680, 2681, 2695	15093, 15096,
8185, 8193, 8201,	\bidi@protected 2986,	15098, 15101,
8210, 8219, 8228,	3008, 3009, 3030,	15103, 15106,
11945, 12845,	3031, 3039,	15108, 15110,
12853, 12861,	3040, 3048, 3049	15113, 15115,
12869, 12877,	\bidi@protected@cseappto	15117, 15120,
12886, 12894,	..... 3039	15122, 15124, 20875
12903, 13161,	\bidi@protected@cspreto	\bidi@rcol@copyinsskip
13167, 13175,	..... 3048	..... 11557,
13255, 13268,	\bidi@protected@csxappto	11562, 11571, 11620
14987, 14996,	..... 3040	\bidi@redefine@newpage
15017, 15024,	\bidi@protected@csxpreto	..... 4266, 4306
	..... 3049	



\bidi@reflect@box .	10388, 10402,	9719, 9828, 9937,
. 15614, 15621,	15535, 15539,	10046, 10241, 10303
20705, 20712, 20714	18667, 20615, 20619	\bidi@storecatcode 3453
\bidi@reinsert@footnotesv	\bidi@s@tfftextcol	\bidi@storepreventpackagefromloading
. 14985, 14994,	.... 10981, 10985	..... 4160, 4163
15022, 15029, 15036	\bidi@s@saved@checkend	\bidi@stringbefore 3511
\bidi@reinsert@footnotesv@r	.. 4243, 4246, 4264	\bidi@stringbeforenc
. 14983, 14992,	\bidi@s@saved@clearpage	..... 3499
15021, 15028, 15035	.. 4248, 4249, 4252	\bidi@switch .. 3559,
\bidi@renew@command	\bidi@s@saved@dofilelist	3570, 3572, 3577
.. 2959, 2961, 2975	..... 4254,	\bidi@switch@exit .
\bidi@renewrobustcmd	4257, 4258, 4265	..... 3569,
..... 2959	\bidi@s@saved@eqno ..	3570, 3571, 3575,
\bidi@replaceclass 3956	..... 15625,	3576, 3580, 3581,
\bidi@replacefile@msg	15627, 15628,	3585, 3586, 3591,
..... 3893,	21402, 21404, 21405	3592, 3596, 3597
3917, 3932, 3970	\bidi@s@saved@leqno .	\bidi@t@w@w 3620
\bidi@replaceinput 3940	..... 15626,	\bidi@tabular@RTLcases
\bidi@replacepackage	15627, 15628,	.... 20718, 20745
..... 3953	21403, 21404, 21405	\bidi@tempa .. 1653,
\bidi@requirepackage	\bidi@s@saved@newpage	1659, 1665, 1671,
.. 4092, 4152, 4203	..... 4267, 4278	1677, 1683, 1695,
\bidi@resetpreventpackagefromloading	\bidi@s@saved@requirepackage	1701, 1707, 1714,
..... 4144,	..... 4071,	1728, 1735, 1745
4150, 4159, 4198	4091, 4102,	\bidi@tempb
\bidi@resrvda . 3109,	4154, 4156, 4234	... 1653, 1654,
3110, 3111, 3114,	\bidi@sepmark@charclass	1659, 1660, 1665,
3115, 3116, 3117,	..... 1771,	1666, 1671, 1672,
3118, 3119, 3124,	1772, 1773, 1776	1677, 1678, 1683,
3127, 3139, 3140,	\bidi@set@column@status	1684, 1695, 1696,
3141, 3142, 3143,	20974, 21002, 21007	1701, 1702, 1707,
3145, 3146, 3155,	\bidi@set@cslist ..	1708, 1714, 1715,
3157, 3171, 3172,	..... 3685, 3686	1728, 1729, 1735,
3174, 3176, 3177,	\bidi@set@list ... 3684	1736, 1745, 1746
3252, 3253, 3254,	\bidi@set@load@hook	\bidi@tempcountb ..
3255, 3256, 3257,	..... 3978,	... 3447, 3716,
3258, 3259, 3260	3981, 3982, 3984,	3717, 3726, 3727
\bidi@resrvdb 3111, 3112	4003, 4015,	\bidi@temptoksa ...
\bidi@restore@newpage	4029, 4046, 4057	... 3448, 3716,
.. 4251, 4268, 4298	\bidi@SOUL@ulleaders	3719, 3720, 3721,
\bidi@restorecatcode	.... 18708, 18714	3723, 3726, 3730
..... 3460	\bidi@stack@length	\bidi@temptoksb ...
\bidi@rightskip ...	..... 3710,	... 3449, 3718,
..... 19543,	3712, 3713, 3717,	3719, 3720, 3721
19651, 19677,	3718, 3727, 3728	\bidi@todonotes@tempa
19678, 19686,	\bidi@star@footmarkwidth	.... 20308, 20316
19690, 19694, 20662	..... 8977,	\bidi@todonotes@tempb
\bidi@RTL@everypar	9038, 9180, 9289,	..... 20308,
. 10314, 10326,	9392, 9501, 9610,	20309, 20316, 20317
10338, 10369,		\bidi@tok@SM . 3667, 3672



\bidi@toks@lista ..	\bidicolor ... 7101,	\bidipoem@p@LTRftntext
..... 3632,	7157, 7172, 7174,	..... 6153,
3634, 3635, 3636,	10982, 20558,	6164, 6261,
3637, 3668, 3670,	20605, 20608, 20609	6370, 6384, 12547
3676, 3677, 3679,	\bidics 3444	\bidipoem@p@RTLftntext
3681, 3686, 3687	\bididate 1495,	..... 6154,
\bidi@toks@listb ..	1497, 1512, 1573,	6165, 6264,
.. 3632, 3668, 3670	1576, 1815,	6371, 6385, 12578
\bidi@undef .. 3119,	1833, 1908, 1911	\bidipoem@p@xfootnote
3198, 3260, 3298,	\bidiGscale@@box ..	... 6156, 6167,
3311, 19402,	.... 11881, 11882	6277, 6373, 6387
19403, 19559,	\bidiGscale@box ...	\bidipoem@p@xftntext
19560, 19761, 19762	11858, 11859, 11878	..... 6155,
\bidi@undefined .. 3198	\bidiGscale@box@dd	6166, 6268,
\bidi@undefinedcs .	11890, 11894, 11900	6282, 6372, 6386
..... 3545,	\bidiGscale@box@dddd	\bidipoem@p@xLTRfootnote
3552, 3607, 3611,	.... 11896, 11907	... 6158, 6169,
3617, 3621, 3662	\bidillap 20891	6284, 6375, 6389
\bidi@UnPreventPackageFromLoading	\bidipdfinfooff .. 1929	\bidipoem@p@xLTRftntext
..... 4164	\bidipdfinfoon 1928, 1934	..... 6157,
\bidi@UnReplaceClass	\bidipoem@@hvlen ..	6168, 6271,
..... 3967	... 6074, 6080,	6289, 6374, 6388
\bidi@UnReplaceInput	6083, 6086, 6095	\bidipoem@p@xRTLfootnote
..... 3944	\bidipoem@half@verses	... 6160, 6171,
\bidi@UnReplacePackage	.. 6100, 6101, 6104	6291, 6377, 6391
..... 3964	\bidipoem@half@verses@next	\bidipoem@p@xRTLftntext
\bidi@version .....	.. 6100, 6101, 6102	..... 6159,
... 1496, 1497,	\bidipoem@hvind 6074,	6170, 6274,
1512, 1525, 1527,	6077, 6078, 6086,	6296, 6376, 6390
1533, 1539, 1573,	6087, 6090, 6093	\bidipoem@set@@verse
1576, 1579, 1817,	\bidipoem@hvlen ...	.. 6080, 6083, 6085
1833, 1849, 1851,	... 6073, 6078,	\bidipoem@set@verseI
1908, 1911, 1914	6080, 6091, 6093	..... 6079, 6082
\bidi@w@w 3607	\bidipoem@hvsep 6073,	\bidipoem@spreadbox
\bidi@warning	6086, 6087, 6094	... 6069, 6091,
... 2924, 3368,	\bidipoem@next 6079, 6080	6093, 6094, 6095
3382, 3394, 3408	\bidipoem@openbox .	\bidirlap 20890
\bidi@willbeunhskip	..... 6118, 6123	\bidituftefloatDebugInfoNL
.. 3654, 3661, 3664	\bidipoem@p@ftn ...	... 4411, 4499,
\bidi@x@stack@to@list	... 6125, 6135,	4503, 4798, 4847
..... 3725	6259, 6260, 6262,	\bidituftefloatError
\bidi@xappto	6263, 6265, 6266,	..... 4410, 4893
.. 3003, 3009, 3038	6269, 6272, 6275,	\bidituftefloatInfoNL
\bidi@xargdef 2941, 2949	6380, 12518,	.. 4411, 4412, 4962
\bidi@xparaskip ...	12528, 12549,	\bidituftefloatRecalculate
..... 10186,	12559, 12580, 12590	..... 4528, 4539
10224, 10286, 10305	\bidipoem@p@ftntext	\bidituftehyperrefLoadHyperref
\bidi@xpreto .....	..... 6152,	..... 5787, 5798
.. 3025, 3031, 3047	6163, 6258,	\biditufte sidenotemarginpar
	6369, 6383, 12516	.. 4978, 5330, 5489



<code>\bidituftetocError</code>	7300, 7317, 7321,	17791, 17801,
.. 5518, 5565, 5574	7356, 7360, 7366,	18021, 18027,
<code>\bidiversion</code> . 1525, 1846	7367, 7415, 7421,	18033, 18039,
<code>\bigskip</code> 15676	7425, 7426, 7482,	18045, 18051,
<code>\bigskipamount</code> 9138,	7485, 7490, 7495,	18057, 18063,
9143, 10226,	7519, 7658, 7660,	18069, 18474,
10230, 10288, 10292	7664, 7668, 7693,	18484, 18910,
<code>\bl</code> ... 15441, 15442,	7975, 7996, 8012,	18956, 18974,
15445, 15446,	8069, 9150, 9155,	20502, 20503,
15447, 15451,	10151, 10165,	20513, 20709,
15506, 15513, 15517	10174, 10517,	20893, 21043,
<code>\blacktriangleleft</code>	10528, 10791,	21047, 21086,
.... 11399, 11401	10795, 10827,	21092, 21111,
<code>\blacktriangleright</code>	10833, 10876,	21127, 21259,
.... 11399, 11401	10966, 10999,	21275, 21286,
<code>\bm@b</code> 20951	11004, 11497,	21299, 21301,
<code>\bm@l</code> 20948	11504, 11507,	21365, 21369, 21399
<code>\bm@r</code> 20949	11521, 11595,	<code>\boxdef</code> .. 2075, 2077,
<code>\bm@t</code> 20950	11601, 11648,	2083, 2088, 2093
<code>\bool</code> .. 13821, 13829,	11652, 11691,	<code>\boxmaxdepth</code> .. 7967,
13960, 13977,	11703, 11714,	7972, 7988, 7993,
13978, 14022,	11724, 11737,	8020, 8077, 9045,
14028, 14043,	11809, 11826,	10487, 10502,
14066, 14069,	11829, 11872,	10723, 11450,
14089, 14094,	11875, 11905,	11452, 11776,
14106, 14123,	11922, 13249,	21114, 21130, 21141
14124, 14127,	13657, 13711,	<code>\br</code> ... 15441, 15443,
14144, 14169,	13717, 14039,	15445, 15446,
14176, 14182,	14297, 14308,	15447, 15451,
14188, 14198,	14313, 14347,	15507, 15513, 15521
14205, 14227,	14348, 14349,	<code>\BR@b@bibitem</code> 5183, 5184
14339, 14342,	14350, 14352,	<code>\BR@bibitem</code> . 5186, 5187
14350, 14351,	14482, 14516,	<code>\BR@cc@bibitem</code> 5188
15275, 15277, 15286	14625, 14629,	<code>\bracetext</code> ... 1595,
<code>\boolean</code> 4411,	14721, 14727,	1875, 15541,
4471, 4473,	14864, 14870,	15542, 20621, 20622
4476, 4480, 4483,	14888, 14896,	<code>\break</code> 13614
4486, 4511, 4607,	15274, 15282,	<code>\BreakBibliography</code>
4622, 4633, 4653,	15287, 15410,	..... 17082,
4660, 4668, 4685,	15414, 15430,	17115, 17117,
4705, 4709, 4727,	15464, 15468,	17123, 17662,
4728, 4731, 4732,	15473, 15477,	17695, 17697,
4767, 4776, 4787,	15489, 15500,	17703, 18345,
5532, 5536, 5584,	15514, 15517,	18378, 18380, 18386
5797, 5934, 6003,	15521, 15526,	<code>\breaklooprepeat</code> ..
6014, 10996, 15300	15602, 15618,	... 3753, 3755,
<code>\botmark</code> .. 10975, 21388	15663, 15666,	3807, 3808, 3826,
<code>\box</code> 1628,	16730, 16739,	3837, 3842, 3856
1900, 4948, 7008,	16777, 16788,	<code>\breakrepeatloop</code> . 3782
7072, 7140, 7297,	17211, 17221,	<code>\bs</code> ... 2043, 2044, 2046



\bslice	15461, 15462, 15464, 15474, 15475, 15477, 15497, 15498, 15500, 15524, 15525, 15526
\bx@A	4833, 4874
\bx@a	4807, 4839, 4880
\bx@AA	4846, 4848, 4886
\bx@B	4833, 4874
\bx@b	4808, 4839, 4880
\bx@BB	4849, 4886
\bx@c	4833, 4874
\bx@c	4809, 4839, 4880
\bx@CC	4850, 4886
\bx@D	4833, 4874
\bx@d	4810, 4839, 4880
\bx@DD	4851, 4886
\bx@E	4833, 4874
\bx@e	4811, 4839, 4880
\bx@EE	4852, 4886
\bx@F	4834, 4875
\bx@f	4812, 4840, 4881
\bx@FF	4853, 4887
\bx@G	4834, 4875
\bx@g	4813, 4840, 4881
\bx@GG	4854, 4887
\bx@H	4834, 4875
\bx@h	4814, 4840, 4881
\bx@HH	4855, 4887
\bx@I	4834, 4875
\bx@i	4815, 4840, 4881
\bx@II	4856, 4887
\bx@J	4834, 4875
\bx@j	4816, 4840, 4881
\bx@JJ	4857, 4887
\bx@K	4835, 4876
\bx@k	4817, 4841, 4882
\bx@KK	4858, 4888
\bx@L	4835, 4876
\bx@l	4818, 4841, 4882
\bx@LL	4859, 4888
\bx@M	4835, 4876
\bx@m	4819, 4841, 4882
\bx@MM	4860, 4888
\bx@N	4835, 4876
\bx@n	4820, 4841, 4882
\bx@NN	4861, 4888
\bx@O	4836, 4877
\bx@o	4821, 4842, 4883
\bx@OO	4862, 4889
\bx@P	4836, 4877
\bx@p	4822, 4842, 4883
\bx@PP	4863, 4889
\bx@Q	4836, 4877
\bx@q	4823, 4842, 4883
\bx@QQ	4864, 4889
\bx@R	4836, 4877
\bx@r	4824, 4842, 4883
\bx@RR	4865, 4889
\bx@S	4797, 4799, 4837, 4878
\bx@s	4825, 4843, 4884
\bx@SS	4866, 4890
\bx@T	4800, 4837, 4878
\bx@t	4826, 4843, 4884
\bx@TT	4867, 4890
\bx@U	4801, 4837, 4878
\bx@u	4827, 4843, 4884
\bx@UU	4868, 4890
\bx@V	4802, 4837, 4878
\bx@v	4828, 4843, 4884
\bx@VV	4869, 4890
\bx@W	4803, 4838, 4879
\bx@w	4829, 4844, 4885
\bx@WW	4870, 4891
\bx@X	4804, 4838, 4879
\bx@x	4830, 4844, 4885
\bx@XX	4871, 4891
\bx@Y	4805, 4838, 4879
\bx@y	4831, 4844, 4885
\bx@YY	4872, 4891
\bx@Z	4806, 4838, 4879
\bx@z	4832, 4844, 4885
\bx@ZZ	4873, 4891
\bye	1932
\bystep	3735, 3747, 3831, 3844, 3854, 3867, 3880, 3881
C	
\c 14023, 14024, 14038, 14095, 14300, 14381	
\c@abspage	11071
\c@addvipersep	14569, 14587, 14592, 14614, 14644, 14669, 14687, 14692, 14714, 14741
\c@algocf	168
\c@chapter 6510, 6512, 6514, 6687, 6689, 6691, 6932, 6934, 6936, 6937, 8726, 8728, 8730, 8731, 10716, 10718, 10720, 11008, 11010, 11012, 11013, 11021, 11023, 11025, 11026, 13299, 14444, 15174, 15918, 15920, 15922, 16283, 16285, 16287, 16472, 16474, 16476, 16654, 16656, 16658, 16659	
\c@colht	14569, 14581, 14607, 14608, 14669, 14681, 14707, 14708
\c@curpg	10890, 10917, 10918
\c@DFNsloppiness	7965, 7986
\c@enumiv	567, 574, 702, 709, 965, 972, 1215, 1222, 2556, 6480, 6487, 6668, 6675, 6977, 6984, 8501, 8508, 8772, 8779, 10609, 10616, 15899, 15906, 16293, 16300, 16487, 16494, 16690, 16697, 17091, 17100, 17107, 17671, 17680, 17687, 18354, 18363, 18370, 19022, 19029
\c@equation	6510, 6687, 6932, 8340, 8409, 8726, 10716, 11008, 11021, 14444, 15918, 16287, 16472,



16654, 17649, 18332	8612, 8735,	11012, 11025,
\c@figure 6512,	10713, 11017,	14446, 15922,
6689, 6934,	11030, 14439,	16285, 16476,
8728, 10718,	15915, 16280,	16658, 17641, 18328
11010, 11023,	16480, 16663,	\c@thisframe
14445, 15920,	17067, 17623, 18318	. 10889, 10894,
16283, 16474,	\c@poem@no . . . 6210,	10930, 10932, 10933
16656, 17633, 18324	6252, 6304, 6315	\c@tocdepth . 3, 198,
\c@footnote 128, 318,	\c@secnumdepth	501, 518, 637,
446, 738, 797,	. . . . . 304, 544,	653, 671, 864,
990, 1049, 1240,	553, 6751, 6946,	897, 915, 1120,
1299, 1970, 6525,	8470, 8479, 8740,	1136, 1154, 6414,
6702, 6839, 8560,	10579, 15680, 16668	6430, 6446, 6591,
8657, 10660,	\c@section . . . 6504,	6607, 6623, 6894,
11349, 11363,	6681, 6938, 8732,	6909, 8443, 8457,
12331, 12441,	10710, 11014,	8712, 10547,
12449, 12479,	11027, 14433,	10562, 12956,
12487, 12994,	15184, 15912,	14789, 14801,
13691, 13694,	16277, 16477,	14813, 15828,
15935, 15994,	16660, 17617, 18312	15844, 15860,
16074, 16135,	\c@subparagraph 542,	16200, 16216,
16331, 16374,	696, 950, 1209,	16232, 16432,
16561, 16906,	6508, 6685, 6942,	16446, 16616,
16970, 17455,	8613, 8736,	16631, 19098,
17519, 18154, 18218	10714, 11018,	19102, 19144,
\c@Hy@AnnotLevel . .	11031, 14441,	19163, 19185,
. 12653,	15916, 16281,	19202, 19219,
12654, 12659, 12663	16481, 16664,	19236, 19528,
\c@L@lines	17069, 17625, 18320	19636, 19671,
13134, 13136, 13139	\c@subsection . . 539,	20059, 20255, 20953
\c@ll@chapseci . . . 7182	693, 947, 1206,	\c@tracingmulticols
\c@ll@chapsecii . . 7177	6505, 6682, 6939,	. . . . 14997, 15015
\c@lofdepth 19253, 19290	8610, 8733,	\c@twb 7307
\c@lor@error . . 7146,	10711, 11015,	\c@twcompctr 7288
7153, 7161,	11028, 14435,	\c@twcompoddctr . . 7304
7167, 20550, 20584	15913, 16278,	\c@twfirst . . . 7289,
\c@lotdepth 19271, 19310	16478, 16661,	7295, 7302,
\c@lstlisting	17063, 17619, 18314	7306, 7315, 7318
. . . . 13299, 13301	\c@subsubsection 540,	\c@twlftside 7293
\c@LT@chunks 13640	694, 948, 1207,	\c@twlspec
\c@mpfootnote	6506, 6683, 6940,	. . 7307, 7310, 7314
. 11274, 11288,	8611, 8734,	\c@twprune . . . 7293,
11302, 11327, 13804	10712, 11016,	7294, 7310, 7314
\c@NAT@ctr 15133	11029, 14437,	\c@twrounds . . 7305,
\c@page . . 5941, 8247,	15914, 16279,	7308, 7311, 7323
8264, 10890,	16479, 16662,	\c@twrtside 7294
10917, 20465, 21255	17065, 17621, 18316	\c@twslicea
\c@paragraph . . . 541,	\c@table 6514,	. . . 7291, 7293,
695, 949, 1208,	6691, 6936,	7297, 7300, 7309,
6507, 6684, 6941,	8730, 10720,	7310, 7317, 7321



\c@twsliceb	\cap@left ... 17210,	\caption@parindent 7094
... 7292, 7294,	17221, 17790,	\caption@prepare@stepcounter
7297, 7300, 7313,	17801, 18473, 18484	..... 13673
7314, 7317, 7321	\cap@margin	\caption@setautoposition
\c@twwinlines 7290, 7303	17153, 17733, 18416	..... 13671
\c@zabspace 11071	\cap@right .. 17212,	\caption@setoptions
\cals@activate@rtl 7056	17221, 17792,	.... 13668, 13669
\cals@AtBeginTable 7073	17801, 18475, 18484	\caption@settype 13664
\cals@AtEndTable . 7075	\cap@width	\caption@starfalse
\cals@backup@row . 7072	. 17176, 17179,	.... 13285, 13672
\cals@borderB 7071	17182, 17756,	\caption@startrue .
\cals@borderL 7068	17759, 17762,	13286, 13292, 13672
\cals@borderR 7069	18439, 18442, 18445	\captionabove 17269,
\cals@borderT 7070	\capfont 17163, 17184,	17274, 17849,
\cals@current@context	17189, 17194,	17854, 18532, 18537
..... 7062	17198, 17217,	\captionbelow 17271,
\cals@last@context 7061	17221, 17743,	17276, 17851,
\cals@paddingL 7078,	17764, 17769,	17856, 18534, 18539
7080, 7085, 7087	17774, 17778,	\captionformat 17164,
\cals@paddingR 7082, 7089	17797, 17801,	17185, 17190,
\cals@set@tohsz 7065	18426, 18447,	17195, 17200,
\cals@setcellprevdepth	18452, 18457,	17218, 17744,
..... 7065	18461, 18480, 18484	17765, 17770,
\cals@setpadding . 7065	\caplabelfont 17164,	17775, 17780,
\cals@setup@alignment	17185, 17190,	17798, 18427,
..... 7049, 7064	17195, 17200,	18448, 18453,
\cals@table@alignment	17218, 17744,	18458, 18463, 18481
..... 7054, 7055	17765, 17770,	\captionlabelfalse
\cals@tbreak@tokens	17775, 17780,	..... 13290
..... 7059	17798, 18427,	\catcode 1816,
\cals@tfoot@height 7060	18448, 18453,	1933, 3126, 3456,
\cals@tfoot@tokens	18458, 18463, 18481	3457, 3458, 3498,
..... 7058, 7075	\caption 4616,	5155, 5177, 6108,
\cals@thead@tokens 7057	4617, 4619, 4675,	6109, 6111, 6112,
\cals@vfillAdd 7050,	12034, 12052,	11408, 11409, 11524
7052, 7078, 7087	13617, 14520, 14522	\Centering 15690
\cals@vfillDrop 7051,	\caption@@make .. 13678	\centering 303,
7052, 7080,	\caption@@par 7093	7822, 7835, 7951,
7082, 7085, 7089	\caption@begin .. 13674	10757, 10763,
\CAny 2064	\caption@end 13680	12064, 12149,
\cAny 2072	\caption@hangindent	12165, 14467,
\cap@indent .....	..... 7094	14469, 14471,
. 17188, 17191,	\caption@iftop	16953, 17502, 18201
17196, 17198,	.... 13677, 13679	\CenteringLeftskip
17199, 17768,	\caption@LT@make 13663	..... 15695
17771, 17776,	\caption@LT@setup 13670	\CenteringParfillskip
17778, 17779,	\caption@makecaption	..... 15698
18451, 18454,	..... 7091, 13284	\CenteringParindent
18459, 18461, 18462	\caption@normalsize	..... 15699
	..... 13675	



\CenteringRightskip	\cftparaaftersnumb	\cftsubsecaftersnum
..... 15696	..... 19230	..... 19195
\centerline	\cftparafillnum . 19233	\cftsubsecaftersnumb
... 307, 11504,	\cftparafont 19232	..... 19196
11521, 15629, 20877	\cftparaindent	\cftsubsecfillnum 19199
\cftbeforechapskip	..... 19221, 19224	\cftsubsecfont .. 19198
..... 19146	\cftparanumwidth 19227	\cftsubsecindent ..
\cftbeforefigskip 19254	\cftparapresnum . 19228	..... 19187, 19190
\cftbeforeparaskip	\cftpartaftersnum 19124	\cftsubsecnumwidth
..... 19220	\cftpartaftersnumb	..... 19193
\cftbeforepartskip	..... 19125	\cftsubsecpresnum 19194
..... 19114	\cftpartfillnum . 19128	\cftsubsubsecaftersnum
\cftbeforesecskip .	\cftpartfont 19127	..... 19212
.... 19165, 19168	\cftpartindent	\cftsubsubsecaftersnumb
\cftbeforesubfigskip	.... 19116, 19119	..... 19213
..... 19291	\cftpartnumwidth 19122	\cftsubsubsecfillnum
\cftbeforesubparaskip	\cftpartpresnum ...	..... 19216
..... 19237	.... 19123, 19127	\cftsubsubsecfont 19215
\cftbeforesubsecskip	\cftsecaftersnum 19178	\cftsubsubsecindent
..... 19186	\cftsecaftersnumb 19179	.... 19204, 19207
\cftbeforesubsubsecskip	\cftsecfillnum .. 19182	\cftsubsubsecnumwidth
..... 19203	\cftsecfont 19181	..... 19210
\cftbeforesubtabskip	\cftsecindent	\cftsubsubsecpresnum
..... 19311	.... 19170, 19173	..... 19211
\cftbeforetabskip 19272	\cftsecnumwidth . 19176	\cftsubtabaftersnum
\cftchapaftersnum 19155	\cftsecpresnum .. 19177	..... 19320
\cftchapaftersnumb	\cftsubfigaftersnum	\cftsubtabaftersnumb
..... 19156	..... 19300	..... 19321
\cftchapfillnum . 19159	\cftsubfigaftersnumb	\cftsubtabfillnum 19324
\cftchapfont 19158	..... 19301	\cftsubtabfont .. 19323
\cftchapindent	\cftsubfigfillnum 19304	\cftsubtabindent ..
19147, 19150, 19397	\cftsubfigfont .. 19303	.... 19312, 19315
\cftchapnumwidth ..	\cftsubfigindent ..	\cftsubtabnumwidth
.... 19153, 19398	.... 19292, 19295	..... 19318
\cftchappresnum . 19154	\cftsubfignumwidth	\cftsubtabpresnum 19319
\cftchapterprecistoc	..... 19298	\cfttabaftersnum 19281
..... 19396	\cftsubfigpresnum 19299	\cfttabaftersnumb 19282
\cftdot	\cftsubparaaftersnum	\cfttabfillnum .. 19285
..... 19094	..... 19246	\cfttabfont 19284
\cftdotfill 19388	\cftsubparaaftersnumb	\cfttabindent
\cftdotsep 19387	..... 19247	.... 19273, 19276
\cftfigaftersnum 19263	\cftsubparafillnum	\cfttabnumwidth . 19279
\cftfigaftersnumb 19264	..... 19250	\cfttabpresnum .. 19280
\cftfigfillnum .. 19267	\cftsubparafont . 19249	\chapnumfont 15679
\cftfigfont 19266	\cftsubparaindent .	\chapter
\cftfigindent .....	.... 19238, 19241	5558, 5628, 5636,
.... 19255, 19258	\cftsubparanumwidth	5752, 5758, 6476,
\cftfignumwidth . 19261	..... 19244	6664, 6973, 8768,
\cftfigpresnum .. 19262	\cftsubparapresnum	10605, 15895,
\cftparaaftersnum 19229	..... 19245	16289, 16483, 16686



<code>\chapterheadendvskip</code>	<code>\clearpage</code> 597, 613,	<code>\col@sep</code>
..... 15685	862, 1114, 3331,	372, 400, 7097,
<code>\chapterheadstartvskip</code>	3332, 3336, 3337,	7098, 13629, 20722
..... 15677	4248, 4249, 4252,	<code>\color</code>
<code>\chaptermark</code> 6015, 19057	4894, 5906, 5941,	2004,
<code>\chaptername</code> . 308, 14453	6027, 6408, 6585,	2005, 2006,
<code>\chapterstyle</code> ... 14448	6795, 6969, 8764,	2007, 2008, 2480,
<code>\char</code>	15804, 16059,	7142, 7145, 7148,
2047, 2048, 3444	16518, 17018,	7166, 7169, 7816,
<code>\chardef</code>	17567, 18266, 19091	7819, 7829, 7947,
3443,	<code>\checkbox@@</code>	13060, 13767, 20515
11408, 13203,	15665	<code>\color@</code> ... 20555, 20602
13204, 13210, 13211	<code>\CloneTOCEntryStyle</code>	<code>\color@b@x</code> ... 7134,
<code>\check@floats</code> 7540, 7715	..... 17286,	7172, 7174,
<code>\CheckCommand</code>	17299, 17318,	20508, 20605, 20608
..... 12438, 12476	17324, 17866,	<code>\color@begingroup</code> .
<code>\checkoddpages</code> 4510	17879, 17898,	..... 5340,
<code>\CIIAny</code>	17904, 18549,	5358, 5376, 6378,
2065	18562, 18581, 18587	6392, 8897, 8911,
<code>\ciiAny</code>	<code>\closing</code> ... 8802, 18077	8925, 8937, 8948,
2073	<code>\clubpenalty</code> 92,	8959, 9065, 9188,
<code>\circle</code>	295, 576, 577,	9198, 9208, 9234,
7199, 7206, 7209,	710, 973, 1223,	9247, 9259, 9297,
7219, 7222, 7229,	2557, 6226, 6488,	9306, 9315, 9340,
7232, 7242, 7245,	6676, 6986, 6987,	9352, 9363, 9400,
7252, 7255, 7265,	8509, 8781,	9410, 9420, 9446,
7268, 7275, 7278	8782, 10617,	9459, 9471, 9509,
<code>\cite</code>	12921, 15139,	9519, 9529, 9555,
5192,	15907, 16301,	9568, 9580, 9618,
5284, 5290, 5291,	16496, 16497,	9628, 9638, 9664,
5385, 5390, 5411,	16699, 16700,	9677, 9689, 9727,
5419, 5440, 5448,	17109, 17689,	9737, 9747, 9773,
5469, 5487, 5491,	18372, 19031, 19032	9786, 9798, 9836,
5496, 5500, 5505,	<code>\coffefont</code> 14809	9846, 9856, 9882,
5509, 15142, 15143	<code>\col@number</code> ... 132,	9895, 9907, 9945,
<code>\citeasnoun</code> 15143	137, 139, 142,	9955, 9965,
<code>\citeN</code>	143, 150, 452,	9991, 10004,
15142	803, 1055, 1305,	10016, 10054,
<code>\cites</code>	6845, 8566, 8663,	10064, 10074,
5285	10666, 14411,	10100, 10113,
<code>\cl@ckpt</code>	14751, 14833,	10125, 10321,
18798	14838, 14874,	10333, 10345,
<code>\ClassInfo</code> 5972, 6037,	14915, 14916,	10382, 10396,
17280, 17860, 18543	14918, 14921,	10410, 10493,
<code>\ClassWarning</code>	14922, 14929,	10506, 11223,
16963, 17512, 18211	14976, 14977,	11240, 11256,
<code>\ClassWarningNoLine</code>	14980, 14981,	11283, 11297,
..... 14504	15043, 15047,	11311, 11323,
<code>\clear</code>	16000, 16141,	11744, 11754,
4289	16385, 16567,	11761, 13683,
<code>\cleardoubleemptypage</code>	16974, 17523, 18222	13741, 21117,
..... 16910,		
16955, 17459,		
17504, 18158, 18203		
<code>\cleardoublepage</code> ..		
... 5894, 5939,		
5941, 5998, 6011,		
6025, 6967, 8762		



21133, 21144, 21152	\color@vbox . . . 2292,	7660, 7662, 7664,
\color@block 7139, 20513	5005, 5049,	7668, 7965, 7986,
\color@box . 7172, 20605	5093, 21188, 21232	8516, 8520, 8815,
\color@endbox . 2314,	\colorA 6753, 6762, 6774	8819, 8864, 8894,
5014, 5058, 5102,	\colorB 6759,	8908, 8922, 8934,
16802, 16812,	6765, 6771, 6777	8945, 8956, 9231,
16830, 21197,	\colorblend . 20522,	9243, 9256, 9337,
21241, 21362, 21378	20523, 20565, 20566	9348, 9360, 9443,
\color@endgroup 5344,	\colorbox 2120, 2122, 2123	9455, 9468, 9552,
5362, 5380, 6380,	\columncolor . 1459, 7105	9564, 9577, 9661,
8899, 8913, 8927,	\columnsep 99,	9673, 9686, 9770,
8939, 8950, 8961,	219, 590, 606,	9782, 9795, 9879,
9068, 9126, 9190,	855, 1107, 1953,	9891, 9904,
9200, 9210, 9236,	2389, 6401, 6578,	9988, 10000,
9249, 9261, 9299,	6788, 7361, 7486,	10013, 10097,
9308, 9317, 9342,	7661, 10796,	10109, 10122,
9354, 9365, 9402,	11653, 12929,	10236, 10298,
9412, 9422, 9448,	14631, 14748,	10378, 10392,
9461, 9473, 9511,	14841, 14890,	10406, 10598,
9521, 9531, 9557,	15797, 16052,	10602, 10787,
9570, 9582, 9620,	16511, 20470,	10789, 10793,
9630, 9640, 9666,	20475, 20479,	10797, 10825,
9679, 9691, 9729,	20485, 20488, 21048	10831, 11129,
9739, 9749, 9775,	\columnseprule . . 99,	11132, 11134,
9788, 9800, 9838,	219, 589, 605,	11219, 11236,
9848, 9858, 9884,	854, 1106, 1954,	11252, 11279,
9897, 9909, 9947,	2390, 6400, 6577,	11293, 11307,
9957, 9967,	6787, 7352, 7417,	11325, 11539,
9993, 10006,	7480, 7492, 7657,	11546, 11593,
10018, 10056,	7666, 10788,	11599, 11642,
10066, 10076,	10829, 11597,	11646, 11650,
10102, 10115,	11644, 12929,	11654, 12006,
10127, 10323,	14621, 14723,	12007, 12943,
10335, 10347,	14866, 14880,	13017, 13021,
10384, 10398,	15796, 16051,	13744, 14619,
10412, 10497,	16510, 21039, 21088	14623, 14627,
10510, 11226,	\columnseprulecolor	14630, 14719,
11243, 11259,	. . . . . 14865, 14879	14725, 14748,
11286, 11300,	\columnwidth 28,	14777, 14783,
11314, 11344,	41, 55, 71, 232,	14945, 14949,
11747, 11757,	244, 258, 273,	14953, 14957,
11764, 21121,	533, 537, 724,	15892, 16315,
21136, 21148, 21155	958, 1204, 1605,	16465, 16469,
\color@fb@x 20606, 20607	1611, 2304, 6502,	16647, 16651,
\color@fb@x 7173, 20606	6655, 6925, 6929,	16891, 17139,
\color@hbox	7037, 7350, 7354,	17144, 17440,
. 16799, 16809,	7358, 7362, 7413,	17719, 17724,
16827, 21359, 21375	7419, 7479, 7481,	17999, 18003,
\color@setgroup . . .	7484, 7487, 7489,	18139, 18402,
. 7175, 20610	7494, 7656, 7658,	18407, 21037,



21041, 21045,	\count 1600,	2150, 2164, 2165,
21049, 21084,	1880, 2287, 3762,	2191, 2194, 2197,
21090, 21280, 21282	4990, 5034, 5078,	2213, 2221, 2229,
\contentslabel	9139, 9171, 9280,	2284, 2571, 2574,
. . . 5589, 5596,	9383, 9492, 9601,	2577, 2579, 2581,
5603, 5610, 5617	9710, 9819,	2584, 2587, 2595,
\contentsline . . . 12269	9928, 10037,	2596, 2601, 2608,
\contentsmargin . 18996	10196, 10202,	2610, 2612, 2613,
\contentspush . . . 18970	10254, 10260,	2614, 2615, 2618,
\convertcolorspec .	10900, 11559,	2620, 2624, 2626,
. 20529,	11568, 11570,	2655, 2656, 2679,
20532, 20572, 20575	11617, 11619,	2680, 2707, 2734,
\Coord 2061	11946, 11952,	2738, 2749, 2757,
\coord 2066	14976, 14980,	2765, 2773, 2775,
\CoordIII 2063	21173, 21217, 21325	2777, 2781, 2782,
\coordiii 2068	\count@ . . 1399, 1458,	2846, 2888, 2898,
\Coordn 2062	2727, 2732, 4336,	2904, 2905, 2907,
\coordn 2067	4337, 4339, 7103,	2908, 2910, 2911,
\Coordx . . 2058, 2061,	14828, 14829,	2913, 2956, 2957,
2062, 2063, 2064,	14831, 14833,	2980, 3035, 3036,
2065, 2066, 2067,	14840, 14861,	3037, 3038, 3044,
2068, 2072, 2073	14862, 14864,	3045, 3046, 3047,
\coordx 2069	14884, 14885,	3130, 3131, 3134,
\Coordy . . 2059, 2061,	14888, 15240,	3135, 3363, 3364,
2062, 2063, 2064,	15248, 15261, 18837	3366, 3377, 3378,
2065, 2066, 2067,	\counterwithout . . .	3380, 3391, 3403,
2068, 2072, 2073	. . . . . 14449,	3412, 3413, 3414,
\coordy 2070	14450, 14451, 14452	3415, 3438, 3462,
\Coordz . . 2060, 2063,	\cr . 388, 6173, 6180,	3467, 3471, 3487,
2065, 2068, 2073	6236, 9153, 9157,	3505, 3507, 3515,
\coordz 2071	9159, 13644,	3517, 3526, 3527,
\copy 5001, 5045,	18743, 18781, 20925	3607, 3611, 3644,
5089, 7041, 7330,	\crrc 399, 2186, 6176,	3646, 3657, 3658,
7393, 7461, 7467,	18731, 18761,	3672, 3680, 3682,
7627, 7639, 7976,	20733, 20736, 20912	3709, 3730, 3767,
7997, 10770,	\CROP@llc 7238	3768, 3769, 3785,
10806, 11567,	\CROP@lrc 7261	3786, 3787, 3788,
11616, 11817,	\CROP@ulc 7192	3890, 3893, 3897,
11863, 13708,	\CROP@urc 7215	3914, 3917, 3919,
13720, 13724,	\CROP@execopt 7285	3929, 3932, 3934,
14553, 14653,	\cs . . . 13878, 13929,	3941, 3946, 3951,
15534, 15617,	13947, 14001,	3961, 3977, 3980,
15687, 20708,	14016, 14304,	3994, 4006, 4038,
21017, 21064,	14306, 15268, 15269	4049, 4133, 4136,
21184, 21228, 21291	\cs@a 3529	4176, 4225, 4365,
\cor@height . 14576,	\csname 8, 44,	4386, 4737, 4738,
14577, 14604,	58, 74, 166, 168,	4745, 4746, 5338,
14605, 14644,	203, 247, 261,	5356, 5374, 5405,
14676, 14677,	276, 333, 334,	5434, 5463, 5705,
14704, 14705, 14741	376, 1362, 2149,	6231, 6259, 6262,



6265, 6279, 6286,	13064,	13067,	20101,	20106,
6293, 6301, 6302,	13497,	13563,	20110,	20121,
6340, 6365, 6366,	14533,	14534,	20122,	20126,
7148, 7154, 7162,	14541,	16843,	20132,	20187,
7169, 7741, 8896,	16847,	16851,	20188,	20192,
8910, 8924, 8936,	17289,	17291,	20288,	20289,
8947, 8958, 9187,	17293,	17296,	20291,	20294,
9197, 9207, 9233,	17302,	17311,	20295,	20299,
9246, 9258, 9296,	17313,	17315,	20763,	20828,
9305, 9314, 9339,	17321,	17392,	20914,	20975,
9351, 9362, 9399,	17396,	17400,	20988, 20990, 21459	
9409, 9419, 9445,	17869,	17871,	\CT@do@color	7100
9458, 9470, 9508,	17873,	17876,	\CT@cell@color 1483,	7125
9518, 9528, 9554,	17882,	17890,	\CT@color	7099
9567, 9579, 9617,	17892,	17895,	\CT@column@color . .	
9627, 9637, 9663,	17901,	18091,	. . . . .	1481, 7123
9676, 9688, 9726,	18095,	18099,	\CT@do@color	
9736, 9746, 9772,	18552,	18554,	. .	1484, 7100, 7126
9785, 9797, 9835,	18556,	18559,	\CT@extract .	1459, 7105
9845, 9855, 9881,	18565,	18573,	\CT@row@color 1482,	7124
9894, 9906, 9944,	18575,	18578,	\CT@setup 1448, 1449,	
9954, 9964, 9990,	18584,	18733,	1451, 1452, 1456,	
10003, 10015,	18759,	18761,	1480, 7096, 7122	
10053, 10063,	18793,	18815,	\cumpartcl	15438
10073, 10099,	18817,	18833,	\cumtcl	15438
10112, 10124,	18834,	18854,	\curraddr	322
10319, 10331,	18861,	19074,	\current@color	
10343, 10380,	19337,	19338,	. . .	7141, 7147,
10394, 10408,	19354,	19355,	7154, 7162, 7168,	
10725, 10878,	19356,	19363,	11386, 11391,	
10879, 10884,	19365,	19366,	20514, 20551,	
10885, 10990,	19419,	19420,	20552, 20556,	
10991, 10992,	19574,	19575,	20585, 20586, 20603	
10993, 10995,	19685,	19689,	\CurrentOption 5953,	
10997, 10998,	19693,	19792,	5954, 5955, 5956,	
10999, 11000,	19795,	19809,	5957, 5977, 5978,	
11002, 11003,	19825,	19826,	5979, 5980,	
11004, 11061,	19842,	19849,	5981, 7762, 7860	
11085, 11103,	19854,	19915,	\customername . . .	18037
11189, 11198,	19970,	19972,	\CustomFBox	11388
11221, 11238,	19974,	19990,	\cvcomputer	2512
11254, 11282,	19993,	19999,	\cvdoubleitem 2489,	2513
11296, 11310,	20001,	20004,	\cventry	2501
11357, 11372,	20008,	20013,	\cvlanguage	2510
12271, 12274,	20017,	20021,	\cvline	2484,
12276, 12280,	20035,	20039,	2485, 2490, 2494,	
12284, 12298,	20042,	20045,	2496, 2502, 2511	
12309, 12320,	20049,	20051,	\cvlistdoubleitem 2495	
12520, 12551,	20087,	20089,	\cvlistitem	2493
12582, 12961,	20096,	20097,	\cvtheme	2427, 2430



D		
<code>\d</code>	13848	4750, 4757, 7142, 7157, 20515, 20558
<code>\dollarbegin</code>		<code>\DeclareSectionCommand</code>
372, 401, 1403, 1404, 1405, 1468, 1471, 1472, 7110, 7113, 7114, 20722	 17326, 17334, 17344, 17354, 17364, 17374, 17906, 17915, 17923, 17933, 17943, 17953, 17963, 18589, 18598, 18606, 18616, 18626, 18636, 18646
<code>\dollarend</code>		<code>\DeclareTOCEntryStyle</code>
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476, 780, 825, 1032, 1077, 1282, 1327, 1988, 5819, 5867, 6567, 6744, 6833, 6869, 8554, 8588, 8651, 8687, 10654, 10688, 15977, 16022, 16118, 16165, 16368, 16409, 16555, 16591, 17014, 17563, 18262		<code>\dedicatory</code> 323
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<code>\deadcycles</code> .	3346, 3349	1452, 1457, 1495, 1496, 1592, 1594, 1595, 1638, 1641, 1644, 1647, 1716, 1720, 1815, 1817, 1846, 1863, 1871, 1872, 1873, 1874, 1875, 1881, 1882, 1889, 1905, 1906, 1907, 1910, 1913, 1917, 1928, 1929, 1932, 1941, 1946, 1971, 1972, 2054, 2055, 2056, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2078, 2089, 2120, 2121, 2122, 2123, 2130, 2136, 2142, 2150, 2155, 2157, 2165, 2170, 2171, 2186, 2190, 2193, 2196, 2201, 2204, 2207, 2211, 2219, 2227, 2234, 2236, 2237, 2239, 2308, 2402, 2403, 2404, 2405, 2406, 2407, 2409, 2410, 2428, 2429, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2560, 2629, 2649, 2650, 2653, 2659, 2662, 2673, 2674, 2677, 2683, 2686, 2697, 2699, 2702, 2706, 2712, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2733, 2734, 2738, 2743, 2751, 2759, 2767, 2774, 2776, 2876, 2884, 2905, 2913, 2914, 2915, 2921,
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<code>\DeclareRobustCommand</code>	2046, 2047, 2048, 2049, 2050, 2051, 2052,	



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3078, 3110, 3111,
3112, 3123, 3137,
3140, 3141, 3153,
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3250, 3253, 3254,
3262, 3263, 3297,
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3658, 3659, 3660,
3661, 3666, 3667,
3674, 3676, 3679,
3684, 3686, 3692,
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3705, 3709, 3711,
3712, 3715, 3725,
3767, 3768, 3769,
3772, 3782, 3789,
3791, 3796, 3808,
3815, 3817, 3821,
3822, 3829, 3831,
3834, 3839, 3846,
3848, 3915, 3918,
3927, 3930, 4082,
4093, 4132, 4245,

4255, 4268, 4322,
4332, 4334, 4339,
4344, 4350, 4351,
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4384, 4457, 4548,
4569, 4573, 4586,
4666, 4735, 4753,
4759, 4796, 4921,
4923, 4924, 4925,
4934, 4936, 4937,
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4992, 4995, 4999,
5003, 5016, 5022,
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6101, 6104, 6114,
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6175, 6179, 6186,
6208, 6227, 6228,
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6261, 6264, 6268,
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6284, 6291, 6301,
6302, 6303, 6313,
6317, 6320, 6325,
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6366, 6490, 6522,
6523, 6531, 6678,
6699, 6700, 6708,
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6841, 6872, 6943,
6957, 6990, 6994,
7006, 7019, 7026,
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7141, 7144, 7151,
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7959, 7963, 7966,
7984, 7987, 8005,
8062, 8239, 8281,
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8469, 8488, 8511,
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8918, 8932, 8943,
8954, 8983, 8984,
8985, 8993, 8994,
8995, 9112, 9183,
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9241, 9254, 9265,
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9395, 9405, 9415,
9441, 9453, 9466,
9477, 9482, 9504,
9514, 9524, 9550,
9562, 9575, 9586,
9591, 9613, 9623,
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9768, 9780, 9793,
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9889, 9902, 9913,
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9960, 9986, 9998,
10011, 10022,
10027, 10049,
10059, 10069,
10095, 10107,
10120, 10131,
10136, 10186,
10218, 10280,
10315, 10327,
10339, 10370,
10389, 10403,
10421, 10431,
10440, 10449,
10541, 10576,



10588,	10619,	12402,	12419,	14812,	14826,
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10767,	10803,	12516,	12533,	14951,	14955,
10877,	10888,	12541,	12547,	14959,	14961,
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11204,	11205,	12802,	12811,	15412,	15531,
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11564,	11613,	13070,	13075,	15627,	15628,
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11981,	12017,	14409,	14459,	16122,	16124,
12269,	12296,	14461,	14509,	16129,	16131,
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16500,	16562,	20605,	20606, 7141, 20514
16563,	16594,	20607,	20610,	\DefaultFindent . 13032
16665,	16677,	20615,	20621,	\DefaultLhang ... 13028
16703,	16707,	20622,	20623,	\DefaultLoversize 13029
16750,	16797,	20633,	20643,	\DefaultLraise .. 13030
16800,	16807,	20652,	20663,	\DefaultNindent . 13033
16810,	16818,	20664,	20673,	\DefaultOptionsFile
16825,	16828,	20674,	20683,	13052, 13055, 13058
16854,	16856,	20684,	20689,	\DefaultSlope ... 13034
16876,	17060,	20690,	20693,	\deffootnote . 16853,
17061,	17113,	20695,	20696,	16878, 17402,
17120,	17269,	20697,	20698,	17427, 17976,
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17405,	17425,	20704,	20705,	\define@choicekey .
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17994,	17998,	20742,	20744,	1695, 1701, 1707,
18001,	18005,	20747,	20749,	1714, 1728, 1735,
18077,	18102,	20750,	20751,	1745, 20308, 20316
18104,	18124,	20752,	20754,	\define@key
18308,	18376,	20764,	20801,	... 1637, 1640,
18383,	18532,	20867,	20877,	1643, 1646, 20306
18534,	18666,	20880,	20883,	\definecolor .. 1995,
18670,	18687,	20888,	20889,	1996, 1997, 1998,
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18726,	18731,	20892,	20894,	7766, 7771, 7774,
18734,	18757,	20897,	20907,	7775, 7776, 7778,
18761,	18765,	20912,	20915,	7779, 7782, 7783,
18775,	18791,	20935,	20938,	7785, 7786, 7789,
18797,	18805,	20948,	20949,	7790, 7792, 7793,
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18836,	18852,	20952,	20972,	7800, 7803, 7804,
18856,	18859,	20974,	21007,	7869, 7870, 7875,
18863,	18866,	21014,	21061,	7876, 7881, 7882,
18896,	18941,	21161,	21175,	7887, 7888,
18975,	18997,	21178,	21182,	7893, 7894, 8413
19003,	19006,	21186,	21199,	\DefineTOCEntryCommandOption
19008,	19011,	21205,	21219, 19770,
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20275,	20277,	21249,	21289,	19782, 19784, 19786
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20489,	20508,	21306,	21392,	\DefineTOCEntryLengthOption
20514,	20517,	21404,	21405,	. 19405, 19407,
20539,	20548,	21407,	21526,	19562, 19764,
20554,	20560,	21528,	21532,	19776, 19802, 19804
20582,	20588,	21534, 21561, 21563		



<code>\DefineTOCEntryOption</code>	8050, 8051, 8052, 8093, 8096, 8102, 8103, 8104	8027, 8030, 8040, 8082, 8084
<code>\DefNewDummy</code> . 3551, 3568		<code>\diagbox@double</code> 8119, 8122
<code>\delimiter</code> 11379	<code>\dfn@fnmaxdp</code> .. 7967, 7972, 7977, 7988, 7993, 7998, 8020, 8023, 8077, 8080	<code>\diagbox@double@pict@NE</code> 8193, 8200
<code>\DEPTH</code> 18899, 18906		<code>\diagbox@double@pict@NW</code> 8192
<code>\depth</code> 11807, 14349, 14356, 14381	<code>\dfn@footnoterule</code> 8061, 8113	<code>\diagbox@double@pict@SE</code> 8185, 8192
<code>\depthof</code> 8288, 8293, 8302, 8303, 8307, 8312	<code>\dfn@footnotetext</code> 7962	<code>\diagbox@double@pict@SW</code> 8200
<code>\descriptionlabel</code> 5745	<code>\dfn@gobble</code> . 7964, 7985	<code>\diagbox@font</code> . 8120, 8123, 8127, 8129, 8134, 8136, 8140, 8143, 8146, 8150, 8152, 8156, 8158
<code>\DetectColumn</code> 20978, 20982	<code>\dfn@ins</code> 7972, 7973, 7974, 7976, 7993, 7994, 7995, 7997, 8011, 8012, 8068, 8069	<code>\diagbox@ht</code> .. 8187, 8190, 8195, 8198
<code>\detokenize</code> 2882, 2884, 3110, 3112, 3113, 3140, 3155, 3172, 3175, 3183, 3185, 3253, 3254, 4128	<code>\dfn@latex@footnotetext</code> 7961	<code>\diagbox@insepl</code> 8120, 8127, 8129, 8140, 8143, 8150, 8152, 8162, 8172, 8174
<code>\dfn@afteroutput</code> 8054, 8057, 8106, 8109	<code>\dfn@latex@LTRfootnotetext</code> 7967, 7982	<code>\diagbox@insepr</code> 8123, 8134, 8136, 8146, 8156, 8158, 8165, 8168, 8179, 8181
<code>\dfn@boxa</code> 7963, 7968, 7971, 7975, 7976, 7977, 7984, 7989, 7992, 7996, 7997, 7998, 8011, 8018, 8021, 8023, 8030, 8038, 8068, 8075, 8078, 8080, 8084, 8092	<code>\dfn@latex@makecol</code> 8060, 8112	<code>\diagbox@setlinecolor</code> 8186, 8189, 8194, 8197, 8202, 8206, 8211, 8215, 8220, 8224, 8229, 8233
<code>\dfn@boxb</code> 7977, 7998, 8015, 8016, 8023, 8028, 8072, 8073, 8080, 8083	<code>\dfn@latex@RTLfootnotetext</code> 7988, 8003	<code>\diagbox@triple@pict@NE</code> 8210
<code>\dfn@countins</code> 8007, 8064	<code>\dfn@list</code> 7981, 8002, 8009, 8042, 8044, 8047, 8053, 8066, 8094, 8096, 8099, 8105	<code>\diagbox@triple@pict@NW</code> 8201
<code>\dfn@dima</code> 7968, 7969, 7970, 7981, 7989, 7990, 7991, 8002, 8006, 8023, 8043, 8063, 8080, 8095	<code>\dfn@LTRfootnotetext</code> 7963, 7983	<code>\diagbox@triple@pict@SE</code> 8228
<code>\dfn@dimb</code> 8043, 8044, 8046, 8047, 8049, 8095, 8096, 8098, 8099, 8101	<code>\dfn@LTRmakecol</code> 8062, 8114, 8116	<code>\diagbox@triple@pict@SW</code> 8219
<code>\dfn@elt@adjust</code> 8043, 8095	<code>\dfn@makecol</code> 8114, 8115, 8116	<code>\diagbox@triple@setbox@NE</code> 8184
<code>\dfn@elt@getht</code> 8008, 8065	<code>\dfn@makefnmark</code> 7966, 7987	<code>\diagbox@triple@setbox@NW</code> 8139, 8142, 8145, 8160
<code>\dfn@fnht</code> 7979, 8000, 8041, 8044,	<code>\dfn@RTLfootnotetext</code> 7984, 8004	<code>\diagbox@triple@setbox@SE</code> 8161, 8164, 8167, 8184
	<code>\dfn@RTLmakecol</code> 8005, 8114, 8115	
	<code>\dfn@split</code> ... 7977, 7998, 8011, 8023, 8068, 8080	
	<code>\DFNalwaysdouble</code> . 8117	
	<code>\DFNcolumnsep</code> 8026, 8039, 8083	
	<code>\DFNcolumnwidth</code> 7960, 7965, 7986, 8025,	



\diagbox@triple@setbox@SW	11481, 11482, 11483	\documentclass	4095,
..... 8160	\dimexpr	..... 28,	4098, 11713, 11723
\diagbox@wd .. 8187,	232, 724, 958,	\doloopbody .. 3737,	3738, 3782, 3855,
8190, 8195, 8198	1204, 2833, 2836,	3862, 3869, 3872,	3874, 3878,
\DigitsDotDashInterCharToks	2929, 6502, 6655,	3880, 3882, 3886	
..... 1776, 1777	12943, 13773,	\doubleitemmaincolumnwidth	..... 2450,
\dim ... 14023, 14024,	13782, 14748,	2463, 2464, 2465,	2466, 2490, 2492
14347, 14348, 14349	14957, 15892,	\doublerulesepcolor	..... 1462
\dimen	..... 1599,	\downtovalue .. 3735,	3747, 3829, 3868
1879, 9076, 9140,	16315, 16881,	\dp	..... 40,
9160, 9161, 9162,	16888, 16891,	54, 70, 243, 257,	272, 382, 1455,
9170, 9279, 9382,	17430, 17437,	1624, 1896, 7138,	7139, 7587, 7968,
9491, 9600, 9709,	17440, 18129,	7989, 8016, 8035,	8037, 8073, 8089,
9818, 9927,	18136, 18139,	8091, 8287, 8292,	8305, 8311, 8425,
10036, 10195,	19549, 19715,	8430, 8434, 8437,	9081, 10149,
10201, 10253,	19722, 19732,	10480, 10488,	10736, 10749,
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14845, 14852,	20836, 20837,	11678, 11778,	11819, 11820,
14853, 14861,	20838, 20843,	11823, 11865,	11866, 11869,
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14885, 14892,	20854, 20855,	14868, 14884,	14885, 14892,
14893, 21298, 21301	20856, 20861,	14893, 15426,	15427, 15428,
\dimen@ .. 7137, 7138,	20863, 20864, 20865	15602, 15646,	16716, 16758,
10480, 10482,	\DiscardVskip ... 13035	16761, 16815,	16822, 17206,
11418, 11419,	\display@setup 6995, 7020	17209, 17786,	17789, 18469,
11420, 11430,	\displayindent ... 7036	18472, 18738,	18773, 18785,
11431, 11432,	\displaystyle		
11435, 11436,	..... 10851, 10867		
11437, 11443,	\displaywidth . 7036,		
11453, 11455,	8284, 8286,		
11464, 11466,	8291, 10870, 12999		
11473, 11474,	\divide		
11475, 11476,	..... 3877,		
13705, 13706,	6087, 9161,		
13707, 14962,	10237, 10238,		
14963, 14968,	10299, 10300,		
14969, 14972,	10737, 10738,		
14973, 15602,	11806, 11807,		
15607, 18689,	15043, 15047,		
18691, 18697,	15446, 15447, 18771		
18703, 20447,	\do ... 319, 320, 321,		
20448, 20449,	322, 323, 324,		
20450, 20451,	2261, 4112, 4172,		
20452, 20511, 20512	4187, 4208, 4211,		
\dimen@i	5197, 5202, 5216,		
..... 18690,	5221, 5235, 5240,		
18691, 18696, 18702	5263, 5272, 7307,		
\dimen@ii	10725, 13139, 19997		
..... 11468,	\do@@hvFloat		
11469, 11470,	..... 11967		
11476, 11478,	\document		
	..... 3293, 3307		



18899, 18901,	11099, 11450,	20625, 20631,
20503, 20512,	12439, 12446,	20635, 20641,
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6302, 6340, 6365,	13563,	14533,	20094,	20096,
6366, 7148, 7154,	14534,	14541,	20098,	20102,
7162, 7169, 7741,	15155,	15165,	20105,	20106,
8896, 8910, 8924,	15179,	16843,	20109,	20110,
8936, 8947, 8958,	16847,	16851,	20119,	20121,
9187, 9197, 9207,	17289,	17291,	20123,	20127,
9233, 9246, 9258,	17293,	17296,	20131,	20132,
9296, 9305, 9314,	17302,	17311,	20185,	20187,
9339, 9351, 9362,	17313,	17315,	20189,	20193,
9399, 9409, 9419,	17321,	17392,	20213,	20214,
9445, 9458, 9470,	17396,	17400,	20222,	20226,
9508, 9518, 9528,	17869,	17871,	20230,	20234,
9554, 9567, 9579,	17873,	17876,	20238,	20242,
9617, 9627, 9637,	17882,	17890,	20246,	20250,
9663, 9676, 9688,	17892,	17895,	20288,	20289,
9726, 9736, 9746,	17901,	18091,	20291,	20294,
9772, 9785, 9797,	18095,	18099,	20295,	20299,
9835, 9845, 9855,	18552,	18554,	20763,	20828,
9881, 9894, 9906,	18556,	18559,	20914,	20975,
9944, 9954, 9964,	18565,	18573,	20988, 20990, 21459	
9990, 10003,	18575,	18578,	\enddocument . . 3317,	
10015, 10053,	18584,	18733,	3323, 3330, 3345	
10063, 10073,	18759,	18761,	\endflushleft 2103, 2111	
10099, 10112,	18793,	18815,	\endgraf 13659, 13678,	
10124, 10319,	18817,	18833,	17254, 17834, 18517	
10331, 10343,	18834,	18854,	\endgroup 17, 127, 212,	
10380, 10394,	18861,	19074,	310, 317, 373,	
10408, 10725,	19337,	19338,	389, 463, 515,	
10878, 10880,	19354,	19355,	529, 667, 689,	
10884, 10886,	19356,	19363,	814, 891, 911,	
10990, 10991,	19365,	19366,	1066, 1150, 1173,	
10992, 10993,	19419,	19420,	1316, 1485, 1977,	
10995, 10997,	19574,	19575,	2215, 2223, 2231,	
10998, 10999,	19685,	19689,	2607, 2646, 2665,	
11000, 11002,	19693,	19792,	2689, 2897, 2916,	
11003, 11004,	19795,	19809,	3060, 3079, 3124,	
11061, 11085,	19825,	19826,	3146, 3156, 3173,	
11103, 11189,	19842,	19849,	3223, 3294, 3318,	
11198, 11221,	19854,	19915,	3321, 3429, 3635,	



3637, 3673, 3678,	16985, 17085,	\endmodernpoem . . . 6366
3687, 3845, 3889,	17223, 17534,	\endmulticols . . . 15017
3913, 3928, 3999,	17665, 17803,	\endpgfpicture . . 15355
4011, 4023, 4043,	18233, 18348,	\endpspicture . . . 15634
4054, 4065, 4229,	18486, 18836,	\endR . . 181, 336, 341,
4328, 4338, 4378,	18960, 19139,	375, 399, 1360,
4747, 5174, 5176,	19555, 19666,	1361, 1478, 2186,
5407, 5436, 5465,	20067, 20195,	2187, 7033, 7120,
5842, 5859, 5875,	20505, 20538,	7136, 7141, 7143,
5886, 5926, 6245,	20581, 20600,	7175, 8239, 9153,
6281, 6288, 6295,	20723, 21058,	9157, 10876,
6353, 6442, 6465,	21101, 21307, 21317	11800, 11805,
6619, 6642, 6856,	\endL 183, 1489,	11862, 11901,
6906, 6921, 7127,	1629, 1901, 2533,	11908, 12277,
7387, 7446, 8258,	7131, 7140, 7141,	12285, 12667,
8276, 8454, 8467,	7150, 7156, 7175,	12703, 12735,
8577, 8674, 8723,	10744, 10857,	12764, 12790,
10240, 10302,	10871, 11033,	12800, 12803,
10559, 10574,	11803, 11811,	13000, 13243,
10677, 10801,	11830, 11840,	13653, 13717,
10841, 10925,	11855, 11876,	13720, 13730,
10946, 11191,	12664, 13243,	13821, 13829,
11200, 11359,	15401, 15541,	14020, 14346,
11374, 11393,	15560, 15669,	14511, 14513,
11434, 11465,	16805, 16816,	15410, 15542,
11610, 11663,	16823, 16833,	15550, 15629,
11841, 11856,	18911, 20513,	15630, 15631,
12262, 12300,	20514, 20553,	16801, 16811,
12311, 12322,	20557, 20610,	16820, 16829,
12333, 12434,	20621, 20640,	17221, 17801,
12459, 12497,	21286, 21361, 21377	18484, 18731,
12530, 12561,	\endlist 96, 299, 582,	18732, 18757,
12592, 12821,	714, 945, 977,	18763, 18910,
12832, 12970,	1227, 5730, 5738,	20510, 20514,
12993, 13069,	5743, 6492, 6680,	20516, 20610,
13093, 13276,	6992, 8513, 8787,	20622, 20630,
13645, 14424,	10621, 12925,	20733, 20878,
14542, 14642,	15150, 15911,	20881, 20884,
14739, 14946,	16305, 16502,	20901, 20912,
14950, 14954,	16705, 17127,	20913, 21286,
15337, 15387,	17707, 18390, 19037	21299, 21301,
15392, 15394,	\endlooprepeat	21361, 21377,
15397, 15402,	. . 3772, 3801, 3808	21396, 21399, 21407
15639, 15670,	\endLTR	\endrotate 16810
15856, 15879,	15580, 20664, 20672	\endRTL
16011, 16152,	\endMakeFramed . . 11407	15582, 20674, 20682
16228, 16251,	\endmath 7025	\ends@math 7025
16396, 16443,	\endmdf@lrbbox . . . 13776	\endsideways 16828
16458, 16578,	\endminipage	\endsidewaysfigure
16628, 16643,	9112, 11334, 18915	. . . . . 16748



<code>\endsidewaystable</code>	16749	<code>\eq@setnumber</code>	.... 7001	15855, 16227,	
<code>\endstabular</code>	18731, 18733	<code>\eq@setup@a</code>	.... 7003	16442, 16627,	
<code>\endstrip</code>	..... 14755	<code>\eq@startup</code>	.... 7004	19132, 19136,	
<code>\endtabular</code>	375, 376,	<code>\eq@wdCond</code>	..... 7022	19664, 20616,	
	1361, 1362, 2186,	<code>\eqnewif</code>	. 1551, 1552,	20620, 20666,	
	18757, 18759,		1557, 1569, 2726	20676, 21203, 21247	
	18843, 20912, 20914	<code>\eqno</code>	.... 327, 15625,	<code>\everyvbox</code>	... 1364,
<code>\endtabularx</code>	.....		15627, 21402, 21404		1365, 15564,
	18794, 18823, 18834	<code>\eqnumform</code>	..... 7033		15566, 15572,
<code>\endtcbl@rbox</code>	.....	<code>\eqstyle</code>	..... 7000		15574, 20644,
	.... 18915, 18916	<code>\equal</code>	..... 2498,		20646, 20653, 20655
<code>\endtcbl@savebox</code>	. 18916		2515, 2519, 2523,	<code>\ExecuteOptions</code>	2349,
<code>\endtcbl@vbox</code>	.... 18926		4568, 4602, 4613,		4432, 5813,
<code>\endtitlepage</code>	.. 624,		4645, 4646, 4662,		5815, 7763, 7861
	931, 1183, 6474,		4703, 4961, 5203,	<code>\ExecuteOptionsX</code>	. 1752
	6662, 15815, 16265		5204, 5222, 5223,	<code>\exhyphenpenalty</code>	..
<code>\endtraditionalpoem</code>			5241, 5242, 5273,		..... 616, 923,
	..... 6302		5274, 7930, 10981		1117, 6411, 6588,
<code>\endtrivlist</code>	.... 10872	<code>\errmessage</code>	.....		15807, 16257, 16319
<code>\endturn</code>	..... 16800		. 1596, 1876, 14843	<code>\exp</code>	... 13897, 13900,
<code>\endwindow</code>	..... 15412	<code>\ERROR</code>	..... 20999		13954, 14129, 14183
<code>\enskip</code>	... 20180, 20205	<code>\escapechar</code>	.. 2635,	<code>\expandafter</code>	... 166,
<code>\enspace</code>	308, 15406, 15408		2727, 2732, 2916,		352, 376, 746,
<code>\ensuremath</code>	..... 1525		3454, 3459,		755, 763, 789,
<code>\env@RTLcases</code>	.....		3461, 3463, 3476		792, 998, 1007,
	.... 20738, 20742	<code>\ESO@isMEMOIR</code>	.... 8244		1015, 1041, 1044,
<code>\EQ</code>	8281, 8287, 8288,	<code>\evenpage</code>	.... 1938,		1248, 1257, 1265,
	8292, 8293, 8302,		1941, 1942, 1943,		1291, 1294, 1362,
	8303, 8305, 8307,		1945, 1946,		1377, 1459, 1460,
	8308, 8310, 8311,		1947, 1948, 1950		1461, 1463, 1528,
	8312, 8313, 8315,	<code>\evensidemargin</code>	...		1530, 1534, 1536,
	8316, 8317, 8329,		... 1962, 8267,		1540, 1542, 2131,
	8332, 8334, 8336,		11949, 11954,		2133, 2137, 2139,
	8337, 8339, 8342,		11962, 21327, 21335		2143, 2145, 2149,
	8344, 8346, 8347,	<code>\everycr</code>	..... 13649		2150, 2158, 2160,
	8349, 8350, 8352,	<code>\everydisplay</code>	.... 6995		2164, 2165, 2189,
	8355, 8356, 8357,	<code>\everyhbox</code>	.. 15544,		2192, 2195, 2198,
	8360, 8363, 8371,		15546, 15554,		2202, 2205, 2208,
	8378, 8386, 8393,		15556, 20624,		2259, 2260, 2313,
	8395, 8398, 8402,		20626, 20634, 20636		2571, 2574, 2577,
	8403, 8404, 8405,	<code>\everyjob</code>	.... 1523,		2581, 2595, 2607,
	8417, 8419, 8420		1524, 1844, 1845		2608, 2613, 2624,
<code>\eq@addpunct</code>	..... 7030	<code>\everymath</code>	..... 339		2649, 2651, 2655,
<code>\EQ@box</code>	..... 7035, 7041	<code>\everypar</code>	.... 513,		2656, 2660, 2663,
<code>\eq@group</code>	... 6998, 7007		665, 909, 1148,		2673, 2675, 2679,
<code>\eq@GRP@first@dmath</code>			5020, 5064, 5108,		2680, 2684, 2687,
	..... 7007		6441, 6618, 6905,		2707, 2709, 2714,
<code>\eq@if</code>	. 2730, 2731, 2733		8722, 10558,		2734, 2735, 2738,
<code>\eq@isIntertext</code>	.. 7045		10752, 15536,		2739, 2775, 2777,
<code>\eq@prelim</code>	.. 6998, 7015		15540, 15748,		2781, 2785, 2787,



2791, 2793, 2797,	5705, 6135, 6260,	16130,	16713,
2799, 2803, 2805,	6263, 6266, 6269,	16725,	16735,
2809, 2811, 2815,	6272, 6275, 6301,	16756,	16771,
2817, 2821, 2823,	6302, 6365, 6366,	16783,	17288,
2827, 2829, 2840,	6380, 6533, 6542,	17290,	17292,
2842, 2846, 2847,	6550, 6710, 6719,	17295,	17301,
2848, 2850, 2851,	6727, 6995, 7105,	17310,	17312,
2854, 2858, 2860,	7147, 7168, 7335,	17314,	17320,
2865, 2866, 2868,	7337, 7398, 7400,	17868,	17870,
2869, 2872, 2881,	9128, 10774,	17872,	17875,
2888, 2892, 2894,	10776, 10810,	17881,	17889,
2897, 2898, 2899,	10812, 10878,	17891,	17894,
2901, 2904, 2905,	10879, 10884,	17900,	18551,
2907, 2908, 2910,	10885, 10982,	18553,	18555,
2911, 2913, 2917,	10999, 11004,	18558,	18564,
2951, 2952, 2953,	11063, 11066,	18572,	18574,
2954, 2955, 2957,	11087, 11090,	18577,	18583,
2980, 2984, 3035,	11103, 11117,	18733,	18759,
3036, 3037, 3038,	11118, 11119,	18792,	18795,
3044, 3045, 3046,	11120, 11122,	18815,	18818,
3047, 3130, 3131,	11346, 11434,	18820,	18822,
3145, 3146, 3147,	11456, 11457,	18833,	18834,
3149, 3156, 3157,	11465, 11576,	18842,	18846,
3160, 3175, 3182,	11578, 11625,	18848,	18855,
3191, 3363, 3377,	11627, 11846,	18857,	18862,
3391, 3403, 3412,	11884, 11885,	18864,	18873,
3413, 3414, 3415,	12302, 12304,	19337,	19338,
3430, 3457, 3458,	12313, 12315,	19354,	19355,
3467, 3471, 3526,	12324, 12326,	19356,	19363,
3527, 3539, 3540,	12429, 12443,	19365,	19366,
3635, 3637, 3644,	12457, 12481,	19419,	19574,
3646, 3648, 3650,	12495, 12528,	19685,	19689,
3651, 3652, 3672,	12559, 12590,	19693,	19792,
3674, 3677, 3680,	12821, 12822,	19795,	19809,
3681, 3682, 3684,	12829, 12843,	19825,	19842,
3687, 3692, 3755,	13064, 13072,	19849,	19854,
3767, 3769, 3785,	13077, 13257,	19915,	19969,
3786, 3787, 3788,	13258, 13263,	19971,	19973,
3826, 3837, 3842,	13264, 13646,	19989,	19993,
3856, 3889, 3890,	13692, 13695,	19998,	20000,
3891, 3894, 3897,	14523, 14526,	20003,	20007,
3913, 3914, 3928,	14558, 14560,	20012,	20016,
3929, 3941, 3946,	14658, 14660,	20020,	20034,
3951, 3961, 3977,	15299, 15316,	20039,	20041,
3980, 4006, 4049,	15328, 15333,	20044,	20048,
4111, 4120, 4132,	15538, 15943,	20051,	20097,
4134, 4135, 4175,	15952, 15960,	20101,	20122,
4185, 4186, 4207,	15986, 15989,	20126,	20188,
4224, 4235, 4237,	16082, 16091,	20192,	20288,
4364, 4365, 5164,	16099, 16127,	20289,	20291,



20294, 20295,	\fancyhead 4777, 4778,	\fboxsep 2032,
20298, 20523,	4779, 6004, 6005,	2099, 2108, 7136,
20535, 20538,	6016, 6017, 6018	7137, 7138,
20546, 20547,	\fancyhf 2382,	7174, 11384,
20566, 20578,	4775, 4784,	11396, 11398,
20581, 20595,	4794, 6002, 6013	11400, 11402,
20596, 20600,	\fancyhfoffset 4768, 4769	15667, 20510,
20618, 20914,	\fancypagestyle . . .	20511, 20512, 20608
20975, 20987,	. . . 2379, 2532,	\fcolorbox 2033
21022, 21024,	4783, 4793, 7832	\FeetAboveFloat . . .
21069, 21071, 21459	\FAX 2399	. . . . . 10539, 10543
\ExplSyntaxOff . . 15291	\fax 2439	\FeetAtBottom . . . 10541
\ExplSyntaxOn . . . 15267	\faxsymbol	\FeetBelowFloat . . 10540
\extrafeetendmini .	. . 2399, 7842, 7940	\FeetBelowRagged . .
. 9085, 9111	\fb@adjheight . . . . .	. . . . . 10542, 10544
\extrafeetendminihook	11421, 11491, 11511	\ff@backcol 10993
. 9109, 9110	\fb@afterframe	\ff@col 10991
\extrafeetins 9042, 9043	11416, 11441, 11499	\ff@frametype
\extrafeetinshook .	\FB@captype . . . . .	. . . . . 10989, 11000
. 9070, 9071	10883, 10884, 10886	\ff@txtcol
\extrafeetminihook 9084	\fb@frh 11428, 11432,	10981, 10982, 10992
\extrainfo 2441	11447, 11482, 11485	\fi . . . 12, 13, 18, 25,
\extrarowheight . . .	\fb@put@frame 11410,	36, 87, 98, 104,
. 379, 13620, 13628	11421, 11492, 11512	107, 108, 109,
\extrarulesep . . . 18786	\fb@putboxa . 11415,	117, 134, 136,
\extratitle	11440, 11498, 11515	142, 150, 154,
17007, 17556, 18255	\fb@resto@set	158, 162, 169,
	11450, 11490, 11494	177, 184, 193,
F	\fb@sizeofframe . . .	207, 208, 213,
\f@nch@everypar . 10752	. . . . . 11423, 11445	218, 224, 227,
\f@nch@foot 10760	\fbox 2083,	228, 229, 239,
\f@nch@head 10754	2093, 7174, 8421,	290, 305, 309,
\f@nch@reset 10754, 10760	12076, 12082,	328, 336, 341,
\f@nch@vbox 10755, 10761	12089, 12095,	355, 356, 368,
\f@size 340	12101, 12107,	369, 372, 375,
\FamilyKeyState . 19790	12115, 12119,	391, 397, 399,
\FamilyKeyStateProcessed	12124, 12128,	456, 461, 499,
. 19790	12132, 12136,	506, 514, 516,
\familyname 2434	12151, 12152,	523, 526, 527,
\familynamecolour .	12167, 12168,	530, 549, 550,
. . 2403, 7767, 7865	12177, 12181,	556, 565, 588,
\familynamefont 2412,	12186, 12190,	597, 604, 613,
2420, 7807, 7901	12194, 12198,	617, 630, 633,
\familynamestyle . .	12206, 12212,	634, 635, 641,
. 2420,	12219, 12225,	642, 647, 650,
7818, 7908, 7929	12231, 12237, 15668	658, 666, 668,
\FamilySetBool . . 19789	\fboxrule 2031, 11384,	675, 676, 683,
\fancy@oval 10722	11390, 11396,	686, 687, 692,
\fancyfoot . . . 2533,	11398, 11400, 11402	700, 739, 749,
4788, 4789, 7833		758, 766, 790,



792,	807,	812,	2536,	2544,	2592,	6335,	6336,	6337,
846,	853,	862,	2606,	2621,	2622,	6348,	6350,	6351,
868,	869,	875,	2644,	2645,	2660,	6360,	6362,	6399,
878,	885,	888,	2670,	2684,	2694,	6408,	6412,	6418,
889,	894,	902,	2703,	2710,	2780,	6419,	6424,	6427,
910,	912,	919,	2788,	2794,	2800,	6435,	6443,	6450,
920,	924,	944,	2806,	2812,	2818,	6451,	6458,	6461,
945,	946,	963,	2824,	2830,	2843,	6462,	6468,	6478,
991,	1001,	1010,	2852,	2855,	2861,	6510,	6512,	6514,
1018,	1042,	1044,	2870,	2873,	2895,	6526,	6536,	6545,
1059,	1064,	1098,	2902,	2946,	2981,	6553,	6576,	6585,
1105,	1114,	1118,	3132,	3150,	3318,	6589,	6595,	6596,
1124,	1125,	1130,	3321,	3363,	3377,	6601,	6604,	6612,
1133,	1141,	1149,	3391,	3403,	3431,	6620,	6627,	6628,
1151,	1158,	1159,	3476,	3481,	3486,	6635,	6638,	6639,
1167,	1170,	1171,	3489,	3490,	3491,	6645,	6666,	6687,
1176,	1189,	1192,	3499,	3509,	3511,	6689,	6691,	6703,
1193,	1194,	1213,	3519,	3526,	3529,	6713,	6722,	6730,
1241,	1251,	1260,	3533,	3540,	3545,	6750,	6756,	6757,
1268,	1292,	1294,	3556,	3568,	3569,	6761,	6763,	6786,
1309,	1314,	1352,	3607,	3611,	3618,	6795,	6849,	6854,
1353,	1355,	1358,	3622,	3624,	3663,	6892,	6899,	6907,
1360,	1361,	1366,	3755,	3789,	3827,	6914,	6917,	6918,
1380,	1381,	1395,	3833,	3837,	3842,	6922,	6932,	6934,
1396,	1410,	1418,	3856,	3895,	3921,	6936,	6945,	6951,
1419,	1425,	1426,	3935,	3947,	3962,	6952,	6959,	6970,
1430,	1435,	1438,	3998,	4010,	4042,	6975,	6994,	6996,
1443,	1446,	1454,	4053,	4107,	4109,	6997,	6998,	7006,
1455,	1464,	1465,	4110,	4139,	4141,	7017,	7019,	7028,
1477,	1478,	1489,	4145,	4146,	4155,	7033,	7035,	7050,
1531,	1537,	1543,	4157,	4178,	4179,	7051,	7052,	7054,
1587,	1588,	1595,	4181,	4195,	4196,	7056,	7081,	7088,
1596,	1608,	1614,	4198,	4199,	4214,	7094,	7106,	7107,
1615,	1658,	1664,	4227,	4228,	4236,	7119,	7120,	7131,
1670,	1676,	1682,	4253,	4308,	4318,	7135,	7136,	7140,
1694,	1700,	1706,	4329,	4516,	4522,	7141,	7143,	7150,
1712,	1726,	1733,	4715,	4718,	4721,	7156,	7175,	7178,
1740,	1750,	1767,	4724,	4743,	4754,	7179,	7185,	7190,
1777,	1782,	1788,	4984,	4993,	5020,	7213,	7236,	7259,
1791,	1799,	1807,	5028,	5037,	5072,	7282,	7297,	7300,
1852,	1867,	1868,	5081,	5257,	5314,	7301,	7317,	7321,
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20449,	20450,	20985,	20991,	\fivecolumnfootnotes	
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20530,	20536,	21220,	21252,	\FloatBarrier	4544, 4894
20542,	20543,	21255,	21256,	\floatc@biditytfloatplain	
20544,	20547,	21257,	21258,	... 4912,	4922,
20553,	20557,	21259,	21267,	4929,	4935, 4943
20568,	20569,	21281,	21285,	\floatc@biditytfloatplaintop	
20573,	20579,	21286,	21290,	4929
20591,	20592,	21298,	21299,	\floatc@biditytfloatruled	
20593,	20596,	21300,	21301,	4930
20610,	20615,	21302,	21323,	\floatc@plain ...	10874
20661,	20662,	21330,	21336,	\floatingpenalty ..	
20670,	20680,	21337,	21338,	41,	55, 71, 244,
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20693,	20697,	21342,	21343,	8001,	8048, 8055,
20698,	20733,	21361,	21377,	8100,	8107, 9079,
20759,	20778,	21396,	21399,	11218,	11235, 11251
20786,	20792,	21400,	21404,	\floatstyle	4963
20798,	20806,	21405,	21407,	\flushleft ..	2100, 2109
20813,	20814,	21415,	21417,	\FN@sff@footnote ..	
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20875,	20876,	11398, 11444	\FN@sff@gobble@bracket	
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20885,	20888,	7406,	10782,	\FN@sff@gobble@opt .	
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20932,	20933,	.. 2402,	7768, 7864	\font	18673, 18674
20941,	20942,	\firstnamefont	2411,	\fontdimen	18673, 18674



\fontsize	\footdir@write	10292, 10294,
303, 5898, 5900,	11043, 11073, 11112	10311, 10325,
5902, 7806, 7898,	\footersymbol . 7825,	14972, 14973,
12949, 15247, 15260	7826, 7841,	14980, 14981,
\foo	7842, 7843, 7844	14985, 14986,
15315, 15325, 15327	\footfootmark . 8871,	15000, 15047, 15048
\footdir@abspage ..	8996, 9219,	\footinsv@r
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11065, 11075,	\footins . 35, 49, 65,	9309, 9382, 9383,
11082, 11086, 11089	238, 252, 267,	9394, 9404, 9414,
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\footdir@debugtrue	8024, 8048, 8054,	9601, 9612, 9622,
..... 1703, 11048	8062, 8063, 8074,	9632, 9709, 9710,
\footdir@fntext ...	8077, 8081, 8100,	9721, 9731, 9741,
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..... 80	11672, 11673,	10309, 10337,
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..... 282	11693, 11705,	14976, 14977,
\footdir@ORG@bidi@amsbook@LTRfootnotetext	11714, 11735,	14983, 14984,
..... 284	11733, 11756,	14999, 15043, 15044
\footdir@ORG@bidi@amsbook@RTLfootnotetext	15603, 15604,	\footmarkstyle 8993, 9032
..... 283	15606, 21110,	\footmarkwidth 8992,
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..... 11269	21125, 21143, 21147	9002, 9005, 9009,
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\footdir@ORG@bidi@RTLfootnotetext	9140, 9170, 9279,	9024, 9026,
..... 11270	9382, 9491, 9600,	9029, 9036, 9039
\footdir@temp	9709, 9818, 9927,	\footnote . 410, 484,
79, 80, 81, 282,	10036, 10195,	734, 833, 986,
283, 284, 11108,	10201, 10253, 10259	1085, 1236, 1336,
11269, 11270, 11271	\footinsv@l .. 9048,	2127, 2130, 5480,
\footdir@toks	9056, 9142, 9143,	5799, 5830, 6521,
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11117, 11118, 11122	10230, 10232,	8528, 8596, 8621,
	10259, 10260,	8695, 10628,



10696, 14462,	5112, 5304, 5334,	\fps@figure 12017
14465, 15931,	5352, 5370, 6517,	\framebox 7816,
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16174, 16328,	8617, 9072, 9073,	\FrameCommand . . . 11396
16416, 16525,	9074, 10624,	\FrameHeightAdjust
16599, 16903,	11208, 11209, 11470
17019, 17452,	11210, 11215,	\FrameRestore 11404,
17568, 18151, 18267	11232, 11248,	11408, 11524, 11525
\footnotelayout . .	11278, 11292,	\fromaddress
. . 5298, 5299, 5302	11306, 12936,	. . . 8789, 8795,
\footnotemark . 2156,	15406, 15408,	8805, 13002, 13008
2157, 11347,	15927, 16064,	\fromname 8810
11361, 14463, 14466	16324, 16521,	\fromplace 18074
\footnoterule . 7959,	16899, 17448, 18147	\fromsig 8809, 8811, 18081
8021, 8027, 8032,	\footnotetext . 2191,	\fromvalue 3735, 3821,
8060, 8061, 8078,	2202, 6259, 6269	3844, 3866, 3881
8082, 8086, 8112,	\footrule 10761	\frontmatter 5997
8113, 8863, 9092,	\footrulewidth 2381, 4773	\fs@biditytfloatboxed
9100, 9121,	\footscript . . 8993,	. . . . . 4941
9136, 10462,	8999, 9003, 9005	\fs@biditytfloatplain
10495, 10508,	\footskip . 10761, 21374	. . . . . 4920, 4928
11040, 11137,	\foottextfont	\fs@biditytfloatplaintop
11141, 11144,	. . . 8872, 8892,	. . . . . 4928
11159, 11164,	8934, 9072, 9165,	\fs@biditytfloatruled
11165, 11167,	9184, 9219, 9230,	. . . . . 4933
11756, 11789,	9274, 9293, 9325,	\fslice 15423, 15424,
14911, 15605,	9336, 9377, 9396,	15426, 15427, 15430
18927, 21119, 21146	9431, 9442, 9486,	\ftn@amount . 11672,
\footnotes 5295	9505, 9540, 9551,	11673, 11674,
\footnotesep 29,	9595, 9614, 9649,	11681, 11685, 11686
31, 40, 46, 54,	9660, 9704, 9723,	\ftn@font
60, 70, 76, 233,	9758, 9769, 9813,	16874, 17423, 18122
235, 243, 249,	9832, 9867, 9878,	\ftn@rule@height . .
257, 263, 272,	9922, 9941, 9976,	. . . . . 16881,
278, 7977, 7998,	9987, 10031,	16884, 16888,
8023, 8080, 8872,	10050, 10085,	16891, 17430,
8878, 8884, 9080,	10096, 10155,	17433, 17437,
10220, 10282,	10190, 10219,	17440, 18129,
11217, 11225,	10244, 10281,	18132, 18136, 18139
11234, 11242,	10316, 10352, 10377	\ftn@rule@test@values
11250, 11258,	\forcerectofloat . 4575	. . . . . 16880,
11285, 11299,	\forceversofloat . 4576	16887, 17429,
11313, 12944, 12946	\forvariable . . 3735,	17436, 18128, 18135
\footnotesize . . . 38,	3741, 3817, 3853,	\ftn@rule@width . . .
52, 68, 106,	3860, 3865, 3871,	. . . . . 16884,
226, 241, 255,	3876, 3880, 3881	16891, 17433,
270, 406, 730,	\fourcolumnfootnotes	17440, 18132, 18139
982, 1232, 2511,	. . . . . 9376	\ftnm@font
2533, 4452, 4453,	\fp 14118,	16876, 17425, 18124
4491, 5110, 5111,	14119, 14120, 14121	



<code>\full@width</code>	14182, 14183,	4591, 4594, 4674,
14835, 14847, 14898	14187, 14189,	4679, 4680, 4681,
<code>\futurelet</code> 783, 785,	14190, 14193,	4833, 4874, 5253,
1035, 1037, 1285,	14194, 14195,	5391, 5420, 5449,
1287, 2700, 3535,	14199, 14200,	5488, 5497, 5506,
3538, 15980,	14204, 14205,	5835, 5852, 5868,
15982, 16121, 16123	14212, 14227,	5880, 5920, 5921,
	14228, 14229,	5922, 6109, 6112,
G	14231, 14236,	6367, 6379, 6381,
<code>\g</code> 8300,	14239, 14240,	7342, 7405, 8283,
8302, 8306, 8399,	14243, 14247,	8296, 10513,
13816, 13821,	14248, 14249,	10526, 10539,
13823, 13829,	14253, 14254,	10540, 10781,
13831, 13874,	14255, 14262,	10817, 11103,
13878, 13879,	14263, 14264,	11163, 11583,
13925, 13929,	14266, 14267,	11632, 13065,
13930, 13947,	14270, 14271,	13298, 13301,
13948, 13985,	14276, 14282,	14565, 14665,
14001, 14004,	14293, 14298,	15192, 15213,
14010, 14011,	14299, 14300,	15597, 18671,
14012, 14013,	14304, 14307,	18936, 18937,
14014, 14023,	14308, 14309,	18942, 18965,
14024, 14026,	14310, 14312,	18966, 20290,
14028, 14029,	14320, 14334,	20697, 20747,
14030, 14037,	14335, 14336,	20972, 21029, 21076
14038, 14043,	14337, 14339,	<code>\geometry</code> 4474, 4477,
14049, 14058,	14342, 14350,	4481, 4484, 4488
14061, 14069,	14351, 14354,	<code>\Gin@angle</code> 15253
14070, 14073,	14358, 14359,	<code>\Gin@bboxtrue</code> . . . 11834
14074, 14075,	14361, 14363,	<code>\Gin@defaultbp</code>
14076, 14077,	14364, 14365,	. 11835, 11836,
14078, 14080,	14369, 14370,	11837, 11838,
14083, 14084,	14371, 14376,	18898, 18899, 18902
14086, 14089,	14383, 15270,	<code>\Gin@eheight</code> 15255
14091, 14094,	15272, 15281, 15284	<code>\Gin@esetsize</code> . . . 11853
14099, 14107,	<code>\g@addto@macro</code> 3980,	<code>\Gin@ewidth</code> 15254, 15255
14108, 14110,	4224, 4309,	<code>\Gin@exclamation</code> . .
14111, 14112,	4319, 4570, 5256,	11883, 15254, 15257
14113, 14114,	5258, 8329, 8332,	<code>\Gin@gridfalse</code> . . 15240
14115, 14116,	8334, 19997, 20293	<code>\Gin@ii</code> 11842
14118, 14119,	<code>\g@mix@page@int</code> . 14256	<code>\Gin@iii</code> . . 11831, 11845
14120, 14121,	<code>\gdef</code> 399,	<code>\Gin@llx</code> 11835
14123, 14124,	401, 2030, 2402,	<code>\Gin@lly</code> 11836
14134, 14142,	2403, 2404, 2405,	<code>\Gin@outer@scalex</code> 15251
14143, 14144,	2406, 2407, 2409,	<code>\Gin@outer@scaley</code> 15252
14146, 14151,	2410, 2571, 2595,	<code>\Gin@scalex</code> 15256
14152, 14157,	3413, 3499, 3501,	<code>\Gin@scaley</code> 15257
14158, 14162,	3511, 3513, 3830,	<code>\Gin@urx</code> 11837
14167, 14170,	3832, 3833, 4303,	<code>\Gin@ury</code> 11838
14177, 14179,	4314, 4588, 4589,	



\Ginclude@graphics	3677, 3687, 3800,	7593, 7596, 7601,
.... 11839, 11851	3819, 3821, 3823,	7610, 7618, 7673,
\Ginput@path 14016	3835, 3840, 4439,	7681, 7691, 7700,
\global ... 301, 430,	4573, 4617, 4618,	7702, 7711, 7713,
431, 432, 433,	4990, 5001, 5004,	7714, 7717, 7720,
434, 435, 436,	5034, 5045, 5048,	7730, 7738, 7739,
437, 438, 439,	5078, 5089, 5092,	7746, 7972, 7979,
440, 441, 459,	5146, 5913, 6110,	7993, 8000, 8012,
465, 466, 467,	6113, 6131, 6135,	8020, 8024, 8041,
468, 469, 470,	6151, 6162, 6188,	8044, 8052, 8057,
471, 472, 473,	6189, 6216, 6229,	8069, 8077, 8081,
474, 475, 476,	6230, 6250, 6260,	8093, 8096, 8104,
477, 512, 513,	6263, 6266, 6269,	8109, 8409, 8546,
664, 665, 772,	6272, 6275, 6307,	8547, 8548, 8549,
773, 774, 775,	6317, 6331, 6333,	8550, 8551, 8552,
776, 777, 778,	6338, 6339, 6345,	8553, 8554, 8555,
779, 780, 781,	6346, 6348, 6368,	8573, 8579, 8580,
810, 816, 817,	6380, 6382, 6440,	8581, 8582, 8583,
818, 819, 820,	6441, 6559, 6560,	8584, 8585, 8586,
821, 822, 823,	6561, 6562, 6563,	8587, 8588, 8589,
824, 825, 826,	6564, 6565, 6566,	8641, 8642, 8643,
908, 909, 1024,	6567, 6568, 6617,	8644, 8645, 8646,
1025, 1026, 1027,	6618, 6736, 6737,	8647, 8648, 8649,
1028, 1029, 1030,	6738, 6739, 6740,	8650, 8651, 8652,
1031, 1032, 1033,	6741, 6742, 6743,	8670, 8676, 8677,
1062, 1068, 1069,	6744, 6745, 6823,	8678, 8679, 8680,
1070, 1071, 1072,	6824, 6825, 6826,	8681, 8682, 8683,
1073, 1074, 1075,	6827, 6828, 6829,	8684, 8685, 8686,
1076, 1077, 1078,	6830, 6831, 6832,	8687, 8688, 8721,
1147, 1148, 1274,	6833, 6834, 6852,	8722, 8930, 8941,
1275, 1276, 1277,	6858, 6859, 6860,	8952, 9116, 9118,
1278, 1279, 1280,	6861, 6862, 6863,	9159, 9227, 9239,
1281, 1282, 1283,	6864, 6865, 6866,	9252, 9333, 9344,
1312, 1318, 1319,	6867, 6868, 6869,	9356, 9439, 9451,
1320, 1321, 1322,	6870, 6904, 6905,	9464, 9548, 9560,
1323, 1324, 1325,	6997, 7007, 7008,	9573, 9657, 9669,
1326, 1327, 1328,	7009, 7010, 7011,	9682, 9766, 9778,
1454, 1455, 1979,	7012, 7013, 7014,	9791, 9875, 9887,
1980, 1981, 1982,	7022, 7035, 7040,	9900, 9984, 9996,
1983, 1984, 1985,	7044, 7100, 7329,	10009, 10093,
1986, 1987, 1988,	7330, 7340, 7347,	10105, 10118,
1989, 2189, 2192,	7381, 7392, 7393,	10141, 10155,
2195, 2198, 2202,	7403, 7410, 7440,	10228, 10232,
2205, 2208, 2287,	7499, 7507, 7517,	10290, 10294,
2291, 2313, 2596,	7527, 7536, 7538,	10362, 10387,
2610, 2612, 2618,	7539, 7542, 7545,	10401, 10472,
2620, 2631, 2637,	7555, 7569, 7570,	10516, 10519,
2649, 2673, 2757,	7572, 7574, 7575,	10525, 10531,
2773, 3635, 3637,	7577, 7583, 7584,	10533, 10538,
3657, 3658, 3669,	7587, 7589, 7590,	10557, 10558,



10646,	10647,	14397,	14398,	16018,	16019,
10648,	10649,	14399,	14400,	16020,	16021,
10650,	10651,	14401,	14402,	16022,	16023,
10652,	10653,	14403,	14420,	16108,	16109,
10654,	10655,	14515,	14552,	16110,	16111,
10673,	10679,	14553,	14563,	16112,	16113,
10680,	10681,	14569,	14572,	16114,	16115,
10682,	10683,	14574,	14576,	16116,	16117,
10684,	10685,	14577,	14579,	16118,	16119,
10686,	10687,	14584,	14592,	16148,	16154,
10688,	10689,	14594,	14602,	16155,	16156,
10769,	10770,	14603,	14604,	16157,	16158,
10779,	10785,	14605,	14607,	16159,	16160,
10805,	10806,	14608,	14611,	16161,	16162,
10815,	10822,	14612,	14643,	16163,	16164,
10893,	10896,	14644,	14652,	16165,	16166,
10929,	10932,	14653,	14663,	16226,	16227,
10934,	10940,	14669,	14672,	16358,	16359,
10941,	10942,	14674,	14676,	16360,	16361,
10960,	10964,	14677,	14679,	16362,	16363,
10967,	10970,	14684,	14692,	16364,	16365,
10972,	10976,	14694,	14702,	16366,	16367,
11274,	11275,	14703,	14704,	16368,	16369,
11288,	11289,	14705,	14707,	16392,	16398,
11302,	11303,	14708,	14711,	16399,	16400,
11557,	11558,	14712,	14740,	16401,	16402,
11559,	11560,	14741,	14747,	16403,	16404,
11566,	11567,	14748,	14760,	16405,	16406,
11568,	11569,	14761,	14762,	16407,	16408,
11570,	11571,	14763,	14764,	16409,	16410,
11581,	11590,	14765,	14767,	16441,	16442,
11615,	11616,	14773,	14845,	16545,	16546,
11617,	11618,	14862,	14868,	16547,	16548,
11619,	11620,	14885,	14893,	16549,	16550,
11630,	11639,	15133,	15345,	16551,	16552,
11668,	11669,	15362,	15363,	16553,	16554,
11681,	11682,	15364,	15365,	16555,	16556,
11683,	11685,	15373,	15380,	16574,	16580,
11686,	11687,	15413,	15437,	16581,	16582,
11688,	11770,	15438,	15439,	16583,	16584,
11783,	12443,	15638,	15688,	16585,	16586,
12457,	12481,	15854,	15855,	16587,	16588,
12495,	12528,	15969,	15970,	16589,	16590,
12559,	12590,	15971,	15972,	16591,	16592,
12653,	12663,	15973,	15974,	16626,	16627,
13248,	13640,	15975,	15976,	16981,	16993,
13641,	13692,	15977,	15978,	16994,	16995,
13695,	13714,	16007,	16013,	16996,	16997,
13715,	13723,	16014,	16015,	16998,	16999,
14395,	14396,	16016,	16017,	17000,	17001,



17002,	17003,	20986,	21016,	\Grot@x	11801,
17004,	17005,	21017,	21027,		11806, 16803,
17006,	17007,	21034,	21063,		16813, 16821, 16831
17008,	17009,	21064,	21074,	\Grot@y	11802,
17010,	17011,	21081,	21173,		11807, 16804,
17012,	17013,	21184,	21187,		16814, 16821, 16832
17014,	17015,	21217,	21228,	\group .	13997, 14018,
17215,	17269,	21231,	21259,		14305, 14318,
17271,	17530,	21268,	21269,		14323, 14330, 14386
17542,	17543,	21270,	21271,	\grp@aligned	7013
17544,	17545,	21273,	21276,	\GRP@box	7008, 7040, 7042
17546,	17547,	21277,	21291,	\grp@eqs@numbered	7012
17548,	17549,	21296,	21310,	\grp@hasNumber . . .	7017
17550,	17551,	21311,	21313,	\GRP@label	7009
17552,	17553,	21322,	21355,	\grp@linewidth . . .	7011
17554,	17555,	21367,	21370,	\GRP@queue . .	7008, 7044
17556,	17557,	21372,	21379,	\grp@setnumber . . .	7017
17558,	17559,	21383,	21385,	\grp@shiftnumber .	7014
17560,	17561,	21386, 21389, 21398		\grp@wdL	7010
17562,	17563,	\GlobalSetatBoolean		\grp@wdNum	7011
17564,	17795,	. . . . .	2766	\grp@wdR	7010
17849,	17851,	\GlobalSetBoolean .		\grp@wdT	7010
18229,	18241,	. . . . .	2750,	\Gscale@box	
18242,	18243,	4575, 4576, 4603,			11813, 11905, 11922
18244,	18245,	4604, 4608,		\Gscale@div	
18246,	18247,	4609, 4902, 4903			11904, 11911, 11914
18248,	18249,	\glossary .	10954, 21350	\Gscale@end	11817, 11863
18250,	18251,	\glueexpr . . .	19843,	\Gscale@start	
18252,	18253,	19850, 19855,		. . . .	11817, 11863
18254,	18255,	19916, 19977,		\Gscale@x .	11815, 11861
18256,	18257,	19980, 19984, 19990		\Gscale@y .	11815, 11861
18258,	18259,	\Gm@pageframes . .	11945	\gsetlength . .	4437,
18260,	18261,	\Gm@vrule . . .	11928,		4590, 4682, 5144,
18262,	18263,	11929, 11930,			5393, 5395, 5422,
18478,	18532,	11932, 11933,			5424, 5451, 5453
18534,	18762,	11934, 11937,			
18766,	18767,	11938, 11939,			
18768,	18785,	11942, 11943, 11944			
18797,	18802,	\Gm@vrules@mpi . .	11925		
18806,	18818,	\Gm@vrules@mpii .	11935		
18855,	18857,	\grid	15248, 15261		
18862,	18864,	\Grot@box . . .	11803,		
19131,	19132,	11811, 16805,			
19135,	19136,	16816, 16823, 16833			
19663,	19664,	\Grot@box@kv	11804		
19714,	19718,	\Grot@box@std . . .	11798		
20287,	20435,	\Grot@setangle	11799,		
20443,	20453,	11810, 16798,			
20456,	20500,	16808, 16819, 16826			
20758,	20975,				

H

\H@@footnotemark . .	
. .	12334, 12423,
	12616, 12630, 12647
\H@@footnotetext . .	
. .	8842, 12293,
	12304, 12373,
	12420, 12534,
	12617, 12633, 12647
\H@@mpfootnotetext	
. .	8848, 12302,
	12336, 12340, 12424
\H@refstepcounter	12823
\halign	6150, 13643



<code>\hangafter</code> .	7190, 14488	17761, 17801,	10789, 10793,
<code>\hangindent</code> . . .	107,	18444, 18484,	10870, 10874,
	108, 109, 227,	18709, 19394,	10876, 10914,
	228, 229, 640,	19552, 19658,	10919, 11129,
	867, 1123, 5770,	20050, 20163,	11791, 11792,
	5771, 5772, 6417,	20200, 20202,	11800, 11805,
	6594, 7094, 7190,	20268, 20275,	11816, 11817,
	12937, 12938,	20277, 20709,	11862, 11863,
	12939, 14481,	20890, 20891,	11901, 11908,
	14487, 15831,	20966, 21036,	12943, 12949,
	16203, 20893, 21417	21041, 21045,	12968, 13021,
<code>\hb@xt@</code>	449, 509, 528,	21083, 21084,	13632, 13652,
	661, 688, 890,	21090, 21280,	13657, 13717,
	905, 1052, 1144,	21361, 21377, 21399	13720, 14002,
	1172, 1973, 6438,	<code>\hbadness</code>	14018, 14019,
	6463, 6615, 6640,	7965, 7986,	14037, 14297,
	6842, 6902, 6919,	18838, 18840,	14299, 14309,
	7180, 7349, 7354,	20374, 20375, 20392	14345, 14380,
	7358, 7412, 7413,	<code>\hbox</code> . . .	14795, 14829,
	7419, 7477, 7481,	15, 28, 188,	14845, 14847,
	7484, 7489, 7494,	210, 232, 338,	14957, 15279,
	7654, 7658, 7660,	372, 380, 397,	15281, 15284,
	7664, 7668, 8453,	537, 647, 724,	15357, 15406,
	8465, 8563, 8660,	875, 958, 1130,	15410, 15430,
	8719, 8998, 9005,	1204, 1406, 1465,	15463, 15467,
	9010, 9017, 9022,	1619, 1891, 2172,	15472, 15476,
	9029, 10555,	4549, 4637, 4639,	15488, 15499,
	10572, 10663,	4644, 4677, 4678,	15516, 15526,
	10824, 10825,	4687, 4694, 4914,	15543, 15552,
	10831, 10851,	4947, 5265, 5304,	15553, 15562,
	10866, 10985,	5331, 5349, 5367,	15616, 15617,
	11592, 11593,	5489, 5498, 5507,	15618, 15620,
	11599, 11641,	5942, 5950, 6069,	15621, 15647,
	11646, 11650,	6119, 6123, 6134,	15665, 15676,
	11826, 11872,	6151, 6162, 6368,	15838, 15892,
	11927, 11932,	6382, 6424, 6502,	16210, 16315,
	11937, 11941,	6601, 6655, 6929,	16439, 16469,
	12998, 13162,	7041, 7107, 7136,	16651, 16820,
	13169, 13176,	7296, 7299, 7316,	16874, 16876,
	13181, 13249,	7320, 8024, 8027,	16891, 17144,
	14516, 14618,	8030, 8081, 8082,	17252, 17423,
	14623, 14627,	8084, 8286, 8291,	17425, 17440,
	14718, 14719,	8297, 8520, 8819,	17724, 17832,
	14725, 14822,	10148, 10160,	17993, 17994,
	15852, 15877,	10165, 10169,	18003, 18019,
	16224, 16249,	10174, 10419,	18025, 18031,
	16340, 16383,	10429, 10439,	18037, 18043,
	16456, 16564,	10448, 10602,	18049, 18055,
	16624, 16641,	10740, 10754,	18061, 18067,
	17181, 17221,	10755, 10760,	18122, 18124,
		10762, 10786,	



18139, 18407,	12219, 12221,	21341, 21342, 21399
18515, 18688,	12225, 12227,	\hfill 1471,
18736, 18749,	14348, 14356, 14381	1472, 2491, 2497,
18777, 18788,	\hfil 15, 210,	2511, 4706, 4707,
18827, 18897,	509, 528, 661,	4710, 4711, 6091,
20155, 20156,	688, 890, 905,	6101, 7113, 7114,
20205, 20207,	1053, 1144, 1172,	7817, 10756,
20264, 20265,	1402, 1403, 1404,	10757, 10762,
20468, 20502,	1405, 1433, 1434,	10763, 14797,
20504, 20510,	1435, 1441, 1442,	14821, 15060,
20623, 20632,	1443, 1945, 1950,	15063, 15064,
20633, 20642,	6120, 6122, 6227,	15065, 15068,
20707, 20708,	6438, 6463, 6615,	15069, 15070,
20711, 20712,	6640, 6902, 6919,	15071, 15072,
20713, 20714,	7180, 7297, 7300,	15075, 15076,
20722, 20728,	7317, 7321, 7351,	15077, 15078,
20892, 20901,	7353, 7416, 7418,	15079, 15080,
20903, 20908,	7480, 7491, 7493,	15081, 15084,
20918, 20933,	7657, 7665, 7667,	15085, 15086,
20962, 20963,	8453, 8465, 8719,	15087, 15088,
21288, 21298, 21300	9158, 10555,	15089, 15090,
\hboxL 192,	10572, 10788,	15091, 15092,
1611, 1613, 1886,	10828, 10830,	15095, 15096,
11504, 11521,	10856, 10869,	15097, 15100,
13164, 15553, 20633	10876, 11596,	15101, 15102,
\hboxR 190, 1605, 1607,	11598, 11643,	15105, 15106,
1884, 15543, 20623	11645, 11934,	15107, 15108,
\headstyle 614, 921,	11939, 12968,	15109, 15112,
1115, 1348, 6409,	13249, 13657,	15113, 15114,
6586, 15805,	14516, 14620,	15115, 15116,
16188, 16255, 16317	14622, 14722,	15119, 15120,
\headheight 1955, 8271,	14724, 14822,	15121, 15122,
10755, 10962, 21357	15410, 15464,	15123, 15517,
\headrule 10758	15468, 15473,	15521, 16891,
\headrulewidth 2380, 4772	15477, 15489,	17289, 17306,
\headsep . 1963, 1966,	15500, 15526,	17440, 17869,
8272, 10963, 21366	15852, 15877,	17886, 18021,
\headwidth 16224, 16249,	16224, 16249,	18027, 18033,
.. 2470, 10754,	16439, 16456,	18039, 18045,
10756, 10757,	16624, 16641,	18051, 18057,
10758, 10760,	19394, 19552,	18063, 18139,
10762, 10763, 10764	19658, 20050,	18552, 18569,
\height 11807, 11881,	20163, 20200,	18937, 18966,
12089, 12091,	20202, 20268,	20024, 20027,
12095, 12097,	20275, 20277,	20031, 20157,
12124, 12125,	20736, 20966,	20266, 20423, 20964
12128, 12129,	21038, 21040,	\hfilneg 9152, 9156
12186, 12187,	21087, 21089,	\hfuzz 8284, 18839, 18841
12190, 12191,	21299, 21301,	\hintcolour 2410
	21338, 21339,	\hintfont 2418, 2426,



2480, 2487, 2492	8516, 8815, 8864,	10406, 10409,
\hintscolumnwidth .	10598, 11132,	10875, 10876,
... 2446, 2460,	11134, 11166,	11219, 11236,
2464, 2472, 2480,	11509, 12946,	11252, 11279,
2486, 2492, 2549	13017, 13775,	11293, 11307,
\hintstyle 2426	14912, 14960,	11324, 11325,
\hline 13609, 13611, 13617	15518, 15886,	11404, 11509,
\HLOFF 2035	16309, 16465,	11539, 11542,
\HLON 2029	16647, 16884,	11546, 11549,
\HLTR@LTrfootnotetext	16891, 17139,	11550, 13245,
.. 8844, 12295,	17433, 17440,	13249, 13643,
12326, 12403,	17719, 17999,	13654, 13657,
12421, 12463,	18132, 18139, 18402	13687, 13744,
12565, 12619, 12639	\hrulefill . 28, 232,	13745, 13752,
\HLTR@mpLTrfootnotetext	537, 724, 958,	13775, 14512,
.. 8850, 12324,	1204, 6502, 6655,	14516, 14749,
12338, 12362, 12425	6929, 8520, 8819,	14829, 14831,
\hoffset 1959	10602, 11129,	14839, 14878,
\hold@viper	12943, 13021,	14882, 14886,
... 7363, 7366,	14957, 15892,	14889, 14894,
7422, 7425, 7457,	16315, 16469,	14897, 14944,
7498, 7499, 7507,	16651, 17144,	14948, 14952,
7508, 7517, 7518,	17724, 18003, 18407	15579, 15581,
7526, 7623, 7672,	\hspace 41, 55, 71, 244,	15749, 15808,
7673, 7681, 7682,	258, 273, 617,	16258, 16320,
7691, 7692, 7701,	924, 1118, 1905,	16336, 16379,
7737, 7739, 7740	2304, 4946, 4947,	16858, 16865,
\holder 15420, 15423,	5007, 5051, 5095,	16867, 17181,
15432, 15442,	5692, 6412, 6589,	17182, 17221,
15443, 15461,	7037, 7297, 7300,	17407, 17414,
15465, 15470,	7317, 7321, 8894,	17416, 17761,
15474, 15486,	8908, 8922, 8934,	17762, 17801,
15490, 15497, 15501	8945, 8956, 9151,	17980, 17985,
\href 2516, 2517, 2520,	9213, 9231, 9243,	17987, 18106,
2521, 2524, 2525	9256, 9319, 9337,	18113, 18115,
\HRTL@mpRTLfootnotetext	9348, 9360, 9425,	18444, 18445,
.. 8852, 12313,	9443, 9455, 9468,	18484, 20215,
12337, 12351, 12426	9534, 9552, 9564,	20218, 20223,
\HRTL@RTLfootnotetext	9577, 9643, 9661,	20227, 20231,
.. 8846, 12294,	9673, 9686, 9752,	20235, 20239,
12315, 12388,	9770, 9782, 9795,	20243, 20247,
12422, 12501,	9861, 9879, 9891,	20251, 20471,
12596, 12618, 12636	9904, 9970, 9988,	20492, 20496,
\hrule 31,	10000, 10013,	20663, 20673,
235, 533, 718,	10079, 10097,	20817, 21190,
953, 1198, 4936,	10109, 10122,	21234, 21395, 21399
4937, 4947, 4948,	10159, 10320,	\hskip .. 14, 28, 209,
6121, 6496, 6649,	10332, 10344,	232, 305, 309,
6759, 6765, 6771,	10378, 10381,	527, 537, 647,
6777, 6925, 7960,	10392, 10395,	648, 687, 724,



875, 876, 889,	15084,	15086,	8129, 8134, 8136,
937, 958, 1130,	15088,	15090,	8140, 8143, 8146,
1131, 1171, 1204,	15092,	15095,	8150, 8152, 8156,
1351, 1404, 1405,	15097,	15100,	8158, 8162, 8165,
1443, 1467, 1470,	15102,	15105,	8168, 8172, 8174,
2563, 5653, 6093,	15107,	15109,	8179, 8181, 8472,
6137, 6138, 6141,	15112,	15114,	8806, 9000, 9012,
6143, 6144, 6147,	15116,	15119,	9024, 12064,
6424, 6425, 6462,	15121,	15123,	12080, 12093,
6502, 6601, 6602,	15137,	15374,	12105, 12118,
6639, 6655, 6918,	15381,	15838,	12127, 12135,
6929, 7109, 7112,	15839,	15876,	12180, 12189,
7179, 7350, 7357,	15892,	16191,	12197, 12210,
7361, 7362, 7479,	16210,	16211,	12223, 12235,
7483, 7486, 7487,	16248,	16315,	12259, 12938,
7656, 7659, 7661,	16455,	16469,	12939, 17176,
7662, 8025, 8026,	16640,	16651,	17191, 17196,
8029, 8039, 8040,	16729,	16731,	17198, 17199,
8083, 8452, 8520,	16738,	16740,	17756, 17771,
8819, 10146,	16776,	16778,	17776, 17778,
10571, 10602,	16787,	16789,	17779, 18079,
10787, 10792,	16891,	17144,	18439, 18454,
10796, 10797,	17440,	17724,	18459, 18461,
10852, 10868,	18003,	18139,	18462, 18660,
11129, 11642,	18407,	18697,	18661, 18942,
11649, 11653,	18703,	18715,	18954, 21516,
11654, 11927,	18720,	18936,	21520, 21525,
11929, 11930,	18965,	19126,	21527, 21531, 21533
11933, 11938,	19157,	19180,	\hss 450, 509,
11941, 11943,	19197,	19214,	528, 661, 688,
11944, 12849,	19231,	19248,	890, 905, 1144,
12857, 12865,	19265,	19283,	1172, 1635, 1905,
12873, 12882,	19302,	19322,	1974, 5712, 6438,
12890, 12899,	19357,	19549,	6463, 6615, 6640,
12907, 12943,	19708,	19740,	6843, 6902, 6919,
12967, 12999,	20150,	20197,	7180, 7356, 7360,
13021, 13156,	20207,	20262,	7415, 7421, 7482,
14619, 14626,	20960,	21037,	7485, 7490, 7495,
14630, 14631,	21044,	21048,	7658, 7660, 7664,
14796, 14808,	21049,	21282,	7668, 8028, 8038,
14820, 14878,	21284, 21298, 21301		8083, 8092, 8286,
14882, 14886,	\hspace . . . 108, 109,		8289, 8291, 8294,
14889, 14890,	228, 229, 546,		8297, 8453, 8465,
14894, 14897,	2481, 2486, 2492,		8564, 8661, 8719,
14898, 14957,	4689, 4696, 4918,		8999, 9005, 9011,
15060, 15063,	5596, 5597, 5603,		9017, 9023, 9029,
15065, 15068,	5604, 5610, 5611,		10555, 10572,
15070, 15072,	5617, 5618, 5745,		10664, 10791,
15075, 15077,	5771, 5772, 7947,		10795, 10827,
15079, 15081,	8120, 8123, 8127,		10833, 10985,



11595,	11601,	8018, 8034, 8063,	14762,	14763,
11648,	11652,	8073, 8075, 8088,	14764, 14767, 14769	
11826,	11872,	8437, 9160, 9266,	\ht@viper	7454,
11930,	11944,	9271, 9369, 9374,	7459, 7482, 7485,	
13169,	13176,	9478, 9483, 9587,	7490, 7495, 7563,	
13181,	13652,	9592, 9696, 9701,	7564, 7619, 7620,	
13660,	14039,	9805, 9810, 9914,	7621, 7625, 7658,	
14300,	14381,	9919,	7660, 7664, 7668	
14625,	14629,	10028,	\httplink	2518
14721,	14727,	10137,	\Huge	5679, 6762, 6774,
14865,	14866,	10221,	6954, 6962, 8748,	
14879,	14880,	10736,	8757,	10585,
15388,	15398,	11436,	10593, 16674, 16682	
15618,	15629,	11460,	\huge	557, 5533,
15630,	15631,	11474,	5535, 5678, 6753,	
15852,	15877,	11501,	6948, 8483, 8492,	
16224,	16249,	11677,	8742,	10580,
16340,	16383,	11820,	16669,	16925,
16439,	16456,	11865,	17038,	17474,
16565,	16624,	11868,	17587, 18173, 18286	
16641,	16874,	13082,	\hv@Bottom	12159
17252,	17261,	13618,	\hv@Center . .	12063,
17423,	17832,	13689,	12074,	12114,
17841,	17993,	13706,	12176, 12204, 12257	
18122,	18515,	13773,	\hv@figure	12028, 12046
18524,	18709,	13783,	\hv@floatObject . . .	
19552,	19658,	14607,	. . . . .	11989, 11993
20476,	20478,	14703,	\hv@floatType	12019,
20483,	20489,	14712,	12028, 12046, 12264	
20709,	20827,	14765,	\hv@Height	12001
20878,	20879,	14969,	\hv@label	11970
20881,	20882,	15432,	\hv@Left . .	12004, 12072
20884,	20885,	15501,	\hv@longCap	11969
20890,	20891,	15507,	\hv@Right .	12005, 12061
20948,	20949,	15509,	\hv@shortCap	
20950,	20951,	15528,	11968, 12034, 12052	
21043,	21047,	15668,	\hv@Top	12087, 12123,
21086, 21092, 21286		16757,	12143, 12185, 12217	
\ht	378, 1453,	16815,	\hv@Width .	11999, 12022
1486, 1625, 1897,		17205,	\hv@Zero . .	11988, 12251
7128, 7137, 7139,		17208,	\hvAboveCaptionSkip	
7455, 7457, 7464,		17787,	. . . . .	12167, 12170
7470, 7471, 7472,		18468,	\hvBelowCaptionSkip	
7526, 7565, 7583,		18471,	. . . . .	12151, 12154
7595, 7619, 7623,		18773,	\hvCaptionBox	12023,
7633, 7641, 7642,		18900,	12040,	12082,
7645, 7646, 7648,		20513,	12084,	12095,
7649, 7701, 7737,		21262, 21272, 21276	12097,	12107,
7968, 7977, 7989,		\ht@strip	12109,	12115,
7998, 8006, 8016,		. .	12116,	12124,



12125, 12132,	12185, 12204, 12217	\Hy@href@nextactionraw
12133, 12144,	\hvSet@capWidth ...	..... 12697,
12145, 12151,	..... 11999,	12729, 12758, 12784
12154, 12160,	12001, 12006, 12007	\Hy@href@page ... 12692
12161, 12168,	\hvSet@floatCapSep	\Hy@linkcounter ...
12171, 12177,	..... 12080,	..... 8337, 8342
12178, 12186,	12093, 12105,	\Hy@linktoc 12273
12187, 12194,	12118, 12127,	\Hy@LT@currentHref
12195, 12212,	12135, 12180,	.... 12825, 12836
12214, 12225,	12189, 12197,	\Hy@LT@LTRfootnotetext
12227, 12237, 12239	12210, 12223, 12235	.... 12453, 12462
\hvCapWidth . 11997,	\hvSet@floatPos . 12017	\Hy@LT@RTLfootnotetext
11999, 12001,	\hvSet@objectAngle	.... 12491, 12500
12003, 12007,	.... 11988, 11992	\Hy@MakeRemoteAction
12009, 12024, 12042	\hvSet@objectPos ..	..... 12676
\hvFloat 11971	12061, 12063, 12257	\Hy@maketitle@end .
\hvMaxCapWidth 11982,	\hvSet@rotAngle ...	12622, 12627, 12629
11983, 12004,	11982, 12251, 12254	\Hy@maketitle@optarg
12005, 12006, 12009	\Hy@Acrobatmenu . 12768	.... 12620, 12625
\hvObjectBox	\Hy@backout 12795	\Hy@pstringD 12675, 12694
. 11986, 11989,	\Hy@BeginAnnot	\Hy@pstringdef
11991, 11995,	. 12651, 12671,	. 12674, 12675,
12001, 12076,	12708, 12740, 12769	12709, 12710, 12741
12078, 12089,	\Hy@bidipoem@footnotetext	\Hy@pstringF
12091, 12101,	.... 12524, 12533	. 12672, 12673,
12103, 12119,	\Hy@bidipoem@LTRfootnotetext	12674, 12689,
12120, 12128,	.... 12555, 12564	12709, 12722, 12727
12129, 12136,	\Hy@bidipoem@RTLfootnotetext	\Hy@pstringP 12710, 12727
12137, 12144,	.... 12586, 12595	\Hy@pstringURI
12147, 12152,	\Hy@CleanupFile . 12673	.... 12741, 12754
12155, 12160,	\Hy@colorlink 12701,	\Hy@raisedlink 12344,
12163, 12167,	12733, 12762, 12788	12355, 12366,
12170, 12181,	\Hy@endAnnot	12377, 12392,
12182, 12190,	. 12658, 12704,	12407, 12467,
12191, 12198,	12736, 12765, 12791	12505, 12538,
12199, 12206,	\Hy@endcolorlink 12660	12569, 12600, 12837
12208, 12219,	\Hy@footnote@currentHlabel	\Hy@saved@footnotemark
12221, 12231, 12233	12380, 12395, 12410	.... 12612, 12631
\hvObjectWidth	\Hy@footnote@currentHref	\Hy@saved@footnotetext
. 11995, 11999,	..... 12342,	.... 12613, 12634
12003, 12004, 12005	12345, 12353,	\Hy@SetNewWindow ..
\hvOBox ... 11989, 11993	12356, 12364,	.... 12696, 12724
\hvSet@capAngle ...	12367, 12375,	\Hy@setpdfborder ..
.... 12022, 12041	12378, 12381,	..... 12682,
\hvSet@capPos	12390, 12393,	12716, 12747, 12776
. 12004, 12005,	12396, 12405,	\Hy@tabularx@hook .
12072, 12143, 12159	12408, 12411,	.... 12419, 12431
\hvSet@capVPos 12074,	12454, 12492,	\Hy@temp@menu
12087, 12114,	12525, 12556, 12587	.... 12770, 12783
12123, 12176,	\Hy@temp . 12430, 12435	



\Hy@xspace@end	12959, 15807,	6549, 6709, 6718,
. 12667, 12703,	16257, 16319, 16462	6726, 15942,
12735, 12764, 12790	\HyRTL@samed@RTLfootnotetext	15951, 15959,
\HyLTR@samed@LTRfootnotetext	12614, 12637	16081, 16090, 16098
. . . . 12615, 12640		\if@altsecnumformat
\HyOrg@maketitle . .	I	17062, 17610, 18309
12610, 12621, 12626	\i 3856, 3857,	\if@bib@break@ 17072,
\HyOrg@TX@endtabularx	3869, 3881, 3882	17097, 17112,
. 12418	\ialign . . 386, 18742,	17128, 17652,
\hyper@anchor 12342,	18780, 20736, 20924	17677, 17692,
12345, 12353,	\IeC 13085	17708, 18335,
12356, 12364,	\if . . . 354, 355, 356,	18360, 18375, 18391
12367, 12375,	358, 359, 360,	\if@bibchapter . . 19051
12378, 12390,	361, 362, 365,	\if@bidi@amsmathloaded@
12393, 12405,	366, 367, 391,	. . . . . 13379
12408, 12465,	397, 1379, 1380,	\if@bidi@amstextloaded@
12468, 12503,	1381, 1383, 1384,	. . . . . 13382
12506, 12536,	1385, 1386, 1387,	\if@bidi@amsthmloaded@
12539, 12567,	1388, 1389, 1392,	. . . . . 13385
12570, 12598, 12601	1393, 1394, 1417,	\if@bidi@animateloaded@
\hyper@anchorend 12838	1418, 1419, 1421,	. . . . . 13388
\hyper@anchorstart	1422, 1423, 1424,	\if@bidi@arabxetexloaded@
. 12838	1425, 2263, 2269,	. . . . . 13587
\hyper@link 12666	2272, 2275, 2278,	\if@bidi@arrayloaded@
\hyper@linkend	3552, 3607, 3611,	. . . . . 13521
. 12277, 12281,	3617, 3621, 3662,	\if@bidi@arydshlnloaded@
12285, 12287,	3745, 4128, 6998,	. . . . . 13545
12667, 12800, 12803	7017, 7050, 7051,	\if@bidi@blank
\hyper@linkfile . 12669	7052, 11061,	. . 2874, 3166, 3173
\hyper@linkstart . .	11085, 11319,	\if@bidi@breqnloaded@
. 12277, 12281,	13052, 13600,	. . . . . 13391
12285, 12287,	13602, 13604,	\if@bidi@calsloaded@
12667, 12796, 12803	15306, 18749,	. . . . . 13394
\hyper@linkurl . . 12738	18783, 18788,	\if@bidi@captionloaded@
\hyper@makecurrent	18875, 18876,	. . . . . 13397
. 12824	18877, 18878,	\if@bidi@colorloaded@
\hyper@nat@current	18879, 18880,	. . . . . 13403
. 12797	18881, 18883,	\if@bidi@colortblloaded@
\hyper@natlinkbreak	18884, 18885,	. . . . . 13422
. 12802	18886, 18887,	\if@bidi@croploaded@
\hyper@natlinkend 12799	18890, 18891,	. . . . . 13400
\hyper@natlinkstart	18892, 20822,	\if@bidi@csdef
. 12794	20823, 20916,	. . . 1809, 2838,
\hypersetup	20933, 20940,	2887, 10179,
. . . 2364, 2372,	20941, 20942,	14910, 14966, 15042
5789, 5848, 5865	20943, 20944, 20945	\if@bidi@csmacro . 2886
\hyphenpenalty 6, 105,	\if@allcaps 745, 754,	\if@bidi@csprimitive
201, 225, 616,	762, 997, 1006,	. . . . . 2896
923, 1117, 6411,	1014, 1247, 1256,	\if@bidi@csundef . .
6588, 12935,	1264, 6532, 6541,	. . . . . 2570,



2573, 2576, 2580, 2585, 2844, 2917, 3437, 4333, 4385, 8825, 8826, 8839, 8840, 21416	\if@bidi@graphicxloaded@ 13449	1804, 1856, 1920
\if@bidi@cutedloaded@ 13410	\if@bidi@hvffloatloaded@ 13455	\if@bidi@pdfpagesloaded@ 13485
\if@bidi@cutwinloaded@ 13407	\if@bidi@hyperrefloaded@ 13467	\if@bidi@perpage@footnote 1554, 1779
\if@bidi@dblfnoteloaded@ 13413	\if@bidi@lettrineloaded@ 13488	\if@bidi@pgfloaded@ 13503
\if@bidi@def 2856	\if@bidi@linenoloaded@ 13491	\if@bidi@picinparloaded@ 13506
\if@bidi@defmacro 2879, 2880, 2888, 3065, 3084, 3228	\if@bidi@list@minipage@parbox 1570, 20773, 20833, 20842, 20851, 20860, 20873, 20874, 20888, 20889	\if@bidi@polyglossialoaded@ 13590
\if@bidi@defparam 3086, 3180, 3181, 3230	\if@bidi@list@minipage@parbox@not@nob 1571, 20781, 20835, 20844, 20853, 20862	\if@bidi@pstricksloaded@ 13500
\if@bidi@defprimitive 2890	\if@bidi@listingsloaded@ 13494	\if@bidi@quotchaploaded@ 13509
\if@bidi@defprotected 3093, 3189, 3190, 3241	\if@bidi@longtableloaded@ 13542	\if@bidi@rotatingloaded@ 13566
\if@bidi@diagboxloaded@ 13416	\if@bidi@mdf@RTL 13735, 13742	\if@bidi@soulloaded@ 13527
\if@bidi@draftwatermarkloaded@ 13476	\if@bidi@mdframedloaded@ 13458	\if@bidi@stabularloaded@ 13524
\if@bidi@empheqloaded@ 13479	\if@bidi@midfloatloaded@ 13461	\if@bidi@subfigloaded@ 13530
\if@bidi@fancyboxloaded@ 13470	\if@bidi@minitocloaded@ 13554	\if@bidi@subfigureloaded@ 13533
\if@bidi@fancyhdrloaded@ 13473	\if@bidi@multicolloaded@ 13548	\if@bidi@supertabularloaded@ 13536
\if@bidi@fancyvrbloaded@ 13593	\if@bidi@multienumloaded@ 13551	\if@bidi@tabslloaded@ 13569
\if@bidi@floatloaded@ 13425	\if@bidi@natbibloaded@ 13557	\if@bidi@tabularyloaded@ 13572
\if@bidi@floatrowloaded@ 13428	\if@bidi@newfloatloaded@ 13560	\if@bidi@tikzloaded@ 13512
\if@bidi@flowframloaded@ 13431	\if@bidi@ontheoremloaded@ 13464	\if@bidi@titlesecloaded@ 13515
\if@bidi@fontspecloaded@ 13584	\if@bidi@overpicloaded@ 13482	\if@bidi@titletocloaded@ 13518
\if@bidi@framedloaded@ 13434	\if@bidi@patchable 3053, 3054	\if@bidi@tocbasicloaded@ 13575
\if@bidi@ftnrightloaded@ 13437	\if@bidi@pdfencrypt 1559, 1792	\if@bidi@tocbibindloaded@ 13581
\if@bidi@geometryloaded@ 13452	\if@bidi@pdfmark 1562,	\if@bidi@tocstyleloaded@ 13578
		\if@bidi@todonotes@figposition@right . 20304, 20402, 20407, 20414, 20420
		\if@bidi@todonotes@textdirection@RTL 20303, 20337, 20377, 20411



<code>\if@bidi@undef</code> 2862,	1241, 6526, 6703,	<code>\if@komalongtable</code> .
2921, 2962, 2973,	15936, 16075,	17242, 17822, 18505
2992, 2996, 3000,	19134, 19662, 20904	<code>\if@LTRbibitems</code> . 87,
3004, 3014, 3018,	<code>\if@contcw</code> 14468, 14497	290, 565, 700,
3022, 3026,	<code>\if@conthang</code> 14478	963, 1213, 1565,
3062, 3081, 3225	<code>\if@contindent</code> .. 14484	2544, 6478, 6666,
<code>\if@bidi@void@mpfootins</code>	<code>\if@DEBUG</code> 2318	6975, 8499,
.. 8823, 9091, 9099	<code>\if@displaypagenumbers</code>	8770, 10607,
<code>\if@bidi@void@footins</code>	..... 2526, 2529	12916, 14546,
8822, 10454, 10461	<code>\if@donumindex</code>	15131, 15897,
<code>\if@bidi@wrapfigloaded@</code>	.... 19052, 19071	16291, 16485,
..... 13446	<code>\if@dotocbib</code> 19013	16688, 17088,
<code>\if@bidi@xcolorloaded@</code>	<code>\if@dotocind</code> 19059, 19076	17668, 18351, 19020
..... 13419	<code>\if@extrafootnotefeatures</code>	<code>\if@LTRmarginpar</code> ..
<code>\if@bidi@xltxtalloaded@</code>	..... 1567, 1765	..... 1564,
..... 13440	<code>\if@fcolmade</code> .. 7377,	21281, 21286, 21290
<code>\if@bidi@xtabloaded@</code>	7436, 10800,	<code>\if@mainmatter</code> 5996,
..... 13539	10840, 10924,	6752, 6947, 8741,
<code>\if@bidi@xunicodeloaded@</code>	11608, 11661,	15681, 17613,
..... 13443	11690, 14639,	17629, 17637, 17645
<code>\if@capbreak</code>	14736, 21056, 21099	<code>\if@minipage</code> 4741, 14537
17193, 17773, 18456	<code>\if@ff@nwpg</code> 10892	<code>\if@mparswitch</code> .. 21254
<code>\if@captionabove</code> ..	<code>\if@files</code>	<code>\if@newlist</code> . 10940,
..... 17226,	2597	10972, 21310, 21385
17232, 17245,	<code>\if@firstcolumn</code> 7328,	<code>\if@nobreak</code> .. 4329,
17255, 17806,	7391, 7451, 7532,	11526, 13746, 15742
17812, 17825,	7551, 7707, 7726,	<code>\if@nonlatin</code>
17835, 18489,	10768, 10804,	336, 341, 1553,
18495, 18508, 18518	11565, 11614,	1777, 2820, 2826,
<code>\if@cftdopart</code> ... 19108	11702, 14551,	7033, 7035, 13730
<code>\if@cfthaschapter</code> .	14651, 14757,	<code>\if@noparlist</code> 6355
..... 19099,	21015, 21062, 21252	<code>\if@noskipsec</code> . 6996,
19103, 19109,	<code>\if@firstdetailselement</code>	11527, 13747, 15743
19130, 19142, 19164	..... 7920, 7922	<code>\if@oldtoc</code> 651,
<code>\if@cfthaspart</code> .. 19095	<code>\if@firstfooterelement</code>	677, 879, 895,
<code>\if@chapterentrywithdots</code>	..... 7824, 7827	1134, 1161,
.... 17883, 18566	<code>\if@flushend@auto@baselineskip</code>	6428, 6452, 6605,
<code>\if@colour</code> .....	..... 7567	6629, 15842,
<code>\if@colourgreen</code> 7755,	<code>\if@hboxRconstruct</code>	15866, 16214, 16238
7784, 7853, 7879	..... 1558,	<code>\if@openright</code>
<code>\if@colourgrey</code> 7759,	1859, 2808, 2814,	.. 6024, 6966, 8761
7798, 7857, 7891	11318, 20780,	<code>\if@ovb</code> 10744
<code>\if@colourorange</code> ..	20804, 20835,	<code>\if@ovl</code> 10742
..... 7753,	20844, 20853,	<code>\if@ovr</code> 10741
7777, 7851, 7873	20862, 20873,	<code>\if@ovt</code> 10743
<code>\if@coloured</code> . 7757,	20874, 20888, 20889	<code>\if@pboxsw</code> 20829
7791, 7855, 7885	<code>\if@ignore</code> .. 3404, 3406	<code>\if@ref</code> 18016
<code>\if@compatibility</code> .	<code>\if@inlabel</code> 6997	<code>\if@restonecol</code> . 597,
. 511, 663, 739,	<code>\if@inltxdoc</code> 19044	613, 862, 1114,
907, 991, 1146,	<code>\if@insert</code> 7735	6408, 6585,



6795, 15804,	7297, 7300, 7317,	14511, 14513,
16059, 16518, 19091	7321, 8126, 8133,	14546, 14791,
\if@reversemargin 21257	8149, 8155, 8171,	14795, 14796,
\if@rjfield 21296	8178, 8285, 8365,	14803, 14808,
\if@rl 1552	8380, 8402, 8403,	14815, 14820,
\if@rl@footnote .. 1569	8404, 8405, 8428,	15131, 15210,
\if@rlmain 1551	8448, 8451, 8452,	15230, 15245,
\if@rot@twoside ...	8462, 8476, 8489,	15259, 15410,
..... 16719,	8499, 8716, 8739,	15460, 15535,
16724, 16734,	8754, 8770, 8791,	15589, 15590,
16764, 16770, 16782	8794, 8799, 8807,	15593, 15597,
\if@RTL 12, 13,	10552, 10567,	15629, 15630,
25, 87, 104, 107,	10570, 10571,	15631, 15676,
108, 109, 173,	10578, 10590,	15678, 15684,
180, 189, 207,	10607, 10876,	15695, 15697,
208, 224, 227,	11033, 11319,	15708, 15710,
228, 229, 290,	11399, 11401,	15721, 15723,
305, 309, 506,	11798, 11800,	15732, 15734,
523, 526, 527,	11803, 11804,	15751, 15771,
550, 565, 617,	11805, 11811,	15787, 15788,
630, 641, 642,	11813, 11830,	15808, 15821,
647, 658, 683,	11833, 11840,	15832, 15833,
686, 687, 700,	11849, 11855,	15838, 15849,
868, 869, 875,	11859, 11862,	15872, 15875,
885, 888, 889,	11876, 11901,	15876, 15897,
902, 924, 963,	11908, 12073,	16192, 16193,
1118, 1124, 1125,	12175, 12277,	16204, 16205,
1130, 1141, 1167,	12285, 12667,	16210, 16221,
1170, 1171, 1189,	12703, 12735,	16244, 16247,
1213, 1352, 1353,	12764, 12790,	16248, 16258,
1464, 1465, 1478,	12796, 12800,	16271, 16291,
1489, 1552, 1585,	12803, 12848,	16320, 16436,
1858, 1865, 2544,	12856, 12864,	16451, 16454,
2784, 2790, 5652,	12872, 12880,	16455, 16460,
5653, 5770, 5771,	12889, 12897,	16461, 16485,
5772, 6412, 6418,	12906, 12916,	16621, 16636,
6419, 6424, 6435,	12934, 12937,	16639, 16640,
6458, 6461, 6462,	12938, 12939,	16667, 16679,
6478, 6589, 6595,	12954, 12965,	16688, 16799,
6596, 6601, 6612,	12966, 13000,	16801, 16805,
6635, 6638, 6639,	13004, 13007,	16809, 16811,
6666, 6750, 6761,	13012, 13133,	16816, 16820,
6763, 6899, 6914,	13140, 13148,	16823, 16827,
6917, 6918, 6945,	13168, 13178,	16829, 16833,
6959, 6975, 6994,	13653, 13738,	16860, 16869,
7006, 7019, 7094,	13821, 13829,	17060, 17061,
7135, 7136, 7140,	14020, 14346,	17088, 17146,
7141, 7143, 7150,	14427, 14428,	17147, 17148,
7156, 7175, 7178,	14429, 14430,	17150, 17221,
7179, 7185, 7190,	14431, 14432,	17409, 17418,



17609,	17668,	20509,	20510,	\if@RTLcolumnfootnotes
17726,	17727,	20513,	20514,	... 1568, 9152,
17728,	17730,	20516,	20553,	9153, 9156, 9157,
17801,	17982,	20557,	20610,	9192, 9244, 9300,
17989,	18074,	20615,	20661,	9349, 9404, 9456,
18080,	18108,	20662,	20689,	9513, 9565, 9622,
18117,	18308,	20690,	20693,	9674, 9731, 9783,
18351,	18409,	20697,	20774,	9840, 9892, 9949,
18410,	18411,	20782,	20788,	10001, 10058, 10110
18413,	18484,	20794,	20807,	\if@RTLmain
18659,	18662,	20875,	20876,	... 1551, 1584,
18692,	18712,	20878,	20881,	1603, 1857, 1864,
18910,	18955,	20884,	20888,	1883, 7193, 7216,
18972,	18992,	20889,	20890,	7239, 7262, 7478,
18995,	19000,	20891,	20893,	7655, 8114, 8239,
19004,	19005,	20895,	20896,	8242, 8256, 8274,
19020,	19116,	20901,	20948,	11038, 11926,
19117,	19118,	20949,	20955,	11936, 11953,
19126,	19147,	20960,	21281,	11959, 13186,
19148,	19149,	21286,	21290,	14748, 14908,
19157,	19170,	21298,	21299,	21105, 21326,
19171,	19172,	21300,	21301,	21332, 21361, 21377
19180,	19187,	21396,	21399,	\if@RTLMarginpar ..
19188,	19189,	21407,	21417,	..... 1563,
19197,	19204,	21515, 21525, 21531		21281, 21286, 21290
19205,	19206,	\if@RTLfootnote ..		\if@RTLtab 355,
19214,	19221,	..... 36, 239,		356, 372, 375,
19222,	19223,	1569, 1861, 5020,		397, 399, 1360,
19231,	19238,	8889, 8930, 9182,		1361, 1380, 1381,
19239,	19240,	9227, 9291, 9333,		1418, 1419, 1557,
19248,	19255,	9394, 9439, 9503,		2182, 2186, 2187,
19256,	19257,	9548, 9612, 9656,		2796, 2802, 7054,
19265,	19273,	9721, 9765, 9830,		7056, 7077, 7084,
19274,	19275,	9875, 9939, 9984,		7106, 7107, 7120,
19283,	19292,	10048, 10093,		7131, 13601,
19293,	19294,	10246, 10267,		13603, 13717,
19302,	19312,	10308, 10363,		13720, 18727,
19313,	19314,	10372, 11213,		18731, 18732,
19322,	19347,	11262, 11302, 11303		18749, 18757,
19348,	19349,	\if@RTLbibitems . 87,		18763, 18788,
19357,	19397,	290, 565, 700,		18876, 18877,
19398,	19399,	963, 1213, 1566,		20733, 20908,
20077,	20139,	2544, 6478, 6666,		20912, 20913,
20140,	20141,	6975, 8499,		20933, 20941, 20942
20147,	20150,	8770, 10607,		\if@sectionentrywithdots
20197,	20257,	12916, 14546,		..... 17303
20262,	20285,	15131, 15897,		\if@sentedir 1860
20292,	20352,	16291, 16485,		\if@specialpage ...
20355,	20439,	16688, 17088,		.... 10895, 21321
20474,	20482,	17668, 18351, 19020		\if@star 15665



\if@tab@rl	1557	\if@twoside	4174, 4182,
\if@tablecaptionabove		.. 5941, 10899,	15155, 15165,
17273, 17853, 18536		16942, 16955,	15179, 20084,
\if@tempswa		17023, 17491,	20085, 20094,
... 4171, 4216,		17504, 17572,	20105, 20109,
8022, 8079, 19791		18190, 18203,	20119, 20131,
\if@thmmarks . 15193,		18271, 20465, 21324	20185, 20213,
15197, 15214, 15218		\if@vihproof 14776, 14782	20214, 20222,
\if@titlecentered .		\ifadl@inactive .. 1366	20226, 20230,
..... 1334, 16172		\ifadl@usingarypkg 1369	20234, 20238,
\if@titlepage .. 404,		\ifAM@output 15332	20242, 20246, 20250
618, 726, 925,		\ifAM@survey 15310	\ifdefined .. 2857, 2863
978, 1177, 1228,		\ifartopt 14447	\ifdefining 3622
6797, 8522,		\ifbidi@autofootnoterule	\ifdfn@allowcbreak
8615, 10622,		..... 11039,	..... 7975, 7996
15809, 15923,		11274, 11288, 11302	\ifdfn@ruleboth ...
16060, 16259,		\ifbidi@in@label ..	..... 8033, 8087
16322, 16519,		..... 3616, 3618	\ifdfn@trysingle ..
16894, 17443, 18142		\IfbidiPackageVersion	..... 8014, 8071
\if@tocstyle@penalties		..... 1538	\ifdim 1454,
.... 20060, 20169		\IfbidiPackageVersionBefore	1455, 1527, 1533,
\if@todonotes@authorgiven		..... 1532	1539, 4754, 5321,
..... 20328,		\IfbidiPackageVersionLater	6090, 6127, 6129,
20339, 20364, 20381		..... 1526	6188, 6189, 6191,
\if@todonotes@disabled		\ifblendcolors 20521,	6197, 6237, 6249,
.... 20322, 20323		20542, 20564, 20591	6331, 6333, 6346,
\if@todonotes@dviStyle		\ifbool ... 13760, 13769	6348, 6356, 7027,
.... 20325, 20359		\ifcase 1401,	7471, 7516, 7528,
\if@ttb@rotate .. 11032		1428, 1432, 1436,	7541, 7544, 7546,
\if@twocolumn ... 98,		1440, 1466, 1654,	7576, 7580, 7581,
218, 451, 584,		1660, 1666, 1672,	7595, 7620, 7645,
600, 627, 634,		1678, 1684, 1696,	7690, 7703, 7716,
802, 849, 934,		1702, 1708, 1715,	7719, 7721, 7969,
945, 1054, 1101,		1729, 1736, 1746,	7990, 8010, 8019,
1186, 1193, 1304,		7108, 12273,	8046, 8050, 8067,
1604, 1610, 5950,		13671, 18986,	8076, 8098, 8102,
6395, 6572, 6782,		19367, 20129,	8997, 9002, 9009,
6844, 8565,		20199, 20309,	9014, 9021, 9026,
8662, 10665,		20317, 20541,	10222, 10226,
11704, 12928,		20590, 20992, 20993	10230, 10284,
14410, 15791,		\ifcat 1595,	10288, 10292,
15818, 15825,		1875, 3502, 3503	10730, 10732,
15999, 16046,		\ifconvertcolorsU .	10875, 11411,
16140, 16268,		..... 20527,	11419, 11435,
16275, 16384,		20543, 20570, 20592	11436, 11466,
16505, 16566,		\ifcpoddpage 4518	11474, 11487,
16973, 17522,		\ifcsname 2839,	11502, 11535,
18221, 19046,		2845, 2979, 3363,	11536, 11818,
20977, 21251, 21410		3377, 3391, 3403,	11825, 11864,
		3425, 3945, 3960,	11871, 11916,



12006,	12144,	10164, 10173, 10177	\ifLettrineImage	13036
12160,	13091,	\ifhmode . 2247, 4979,	\ifLettrineOnGrid	13037
13105,	13111,	5023, 5067, 5310,	\ifLettrineRealHeight	
13245,	13654,	5316, 7141, 7143,	.....	13038
13665,	13704,	7150, 7156, 7175,	\ifLettrineSelfRef	
13707,	14417,	18948, 20514,	.....	13039
14460,	14467,	20516, 20553,	\ifLtoR	2789
14471,	14473,	20557, 20610,	\ifLtoRhboxconstruct	
14512,	14573,	20888, 20889,	.....	2813
14581,	14583,	20932, 21162, 21206	\ifLtoRtable	2801
14673,	14681,	\ifhv@fbox .. 12075,	\ifmaskcolors	20531,
14683,	14758,	12081, 12088,	20542, 20574, 20591	
14769,	14853,	12094, 12100,	\ifmmode	1848,
14861,	14867,	12106, 12115,	7135, 7140,	
14884,	14892,	12119, 12124,	10845, 10855,	
15360,	15407,	12128, 12132,	11798, 11800,	
15432,	15490,	12136, 12150,	11803, 11804,	
15501,	15508,	12166, 12177,	11805, 11811,	
15513,	15528,	12181, 12186,	11813, 11830,	
15641,	15666,	12190, 12194,	11833, 11840,	
17180,	17188,	12198, 12205,	11849, 11855,	
17760,	17768,	12211, 12218,	11859, 11862,	
18020,	18026,	12224, 12230, 12236	11876, 11901,	
18032,	18038,	\ifhv@nonFloat 12018,	11908, 12652,	
18044,	18050,	12025, 12043,	12664, 12667,	
18056,	18062,	12064, 12256, 12258	12703, 12735,	
18068,	18443,	\ifhv@onlyText	12764, 12790,	
18451,	18774,	..... 12026, 12044	15343, 15401,	
19702,	19716,	\ifhv@useOBox	15633, 15669,	
19721,	20095,	..... 11989, 11993	16799, 16801,	
20120,	20186,	\ifHy@href@ismap 12755	16805, 16809,	
20442,	20444,	\ifHy@hyperfootnotes	16811, 16816,	
20446,	20448,	. 8827, 8841, 12292	16820, 16823,	
20449,	20450,	\ifHy@nesting	16827, 16829,	
20452,	20492,	. 12341, 12352,	16833, 20509,	
20499, 21263, 21395		12363, 12374,	20513, 20824, 20899	
\ifdofullc@p	.....	12389, 12404,	\ifNAT@openbib	15134
17183, 17763, 18446		12464, 12502,	\ifnonlatin	2825
\iffalse	..... 2728,	12535, 12566, 12597	\ifnum 3, 137, 143, 198,	
2729, 2731,		\ifHy@pdfa .. 12681,	304, 346, 347,	
11526, 11527,		12715, 12746, 12775	348, 349, 351,	
13296, 13746,		\ifin@	452, 501, 518,	
13747, 15742, 15743		..... 4190	544, 553, 637,	
\IfFileExists . 3900,		\ifin@label	653, 671, 803,	
4498, 5970, 6035		..... 2253,	864, 897, 915,	
\iffootdir@debug ..		4985, 5029,	1055, 1120, 1136,	
..... 11047, 11051		5073, 11414,	1154, 1305, 1371,	
\ifGin@grid 15246, 15259		20434, 21168, 21212	1372, 1373, 1374,	
\ifGin@iso	..... 11915	\ifL@grid	1376, 1415, 1416,	
\ifhbox	.....	..... 13042	1774, 1775, 2279,	
		\iflatin	2819	



2615, 3476, 3504,	15479,	15484,	\ifoddpage 4512
3506, 3514, 3516,	15495,	15506,	\ifonelinecaptions
3717, 3727, 3825,	15507,	15513,	17154, 17734, 18417
3831, 3856, 3871,	15517,	15520,	\ifpgfrememberpicturepositiononpage
3877, 6210, 6414,	15521,	15627,	. . . . . 15356
6430, 6446, 6510,	15628,	15635,	\ifpoem@started . . .
6512, 6514, 6591,	15680,	15828,	. . . 6184, 6190,
6607, 6623, 6687,	15844,	15860,	6330, 6337, 6351
6689, 6691, 6751,	15918,	15920,	\ifprimitive . 2891, 2898
6845, 6894, 6909,	15922,	16000,	\ifPst@shift@star 15657
6932, 6934, 6936,	16141,	16200,	\ifr@ggedbottom . 15607
6946, 7028, 7295,	16216,	16232,	\ifrot@messages . . .
7303, 7308, 7315,	16283,	16285,	. . . . 16769, 16781
7503, 7512, 7522,	16287,	16385,	\ifRtoL 2783
7677, 7686, 7696,	16432,	16446,	\ifRtoLhboxconstruct
7910, 8443, 8457,	16472,	16474,	. . . . . 2807
8470, 8479, 8566,	16476,	16567,	\ifRtoLtable 2795
8663, 8712, 8726,	16616,	16631,	\ifshowgrid 15635
8728, 8730, 8740,	16654,	16656,	\ifsomething 3755
9158, 10547,	16658,	16668,	\ifstr . 19410, 19411,
10562, 10579,	16962,	16974,	19412, 19413,
10666, 10716,	17511,	17523,	19414, 19415,
10718, 10720,	17612,	17628,	19416, 19417,
11008, 11010,	17636,	17644,	19418, 19433,
11012, 11021,	18210,	18222,	19434, 19435,
11023, 11025,	18819,	18867,	19436, 19438,
11171, 11274,	18868,	18869,	19439, 19440,
11288, 11302,	18870,	18872,	19443, 19446,
11535, 11537,	18977,	18979,	19455, 19456,
11725, 12654,	19098,	19102,	19457, 19460,
12659, 12956,	19144,	19163,	19463, 19482,
13098, 13158,	19185,	19202,	19483, 19484,
13216, 13219,	19219,	19236,	19486, 19487,
13227, 13230,	19253,	19271,	19488, 19491,
13299, 13615,	19290,	19310,	19494, 19503,
13616, 13699,	19345,	19528,	19504, 19505,
13700, 14411,	19529,	19636,	19508, 19511,
14444, 14570,	19637,	19661,	19565, 19566,
14600, 14670,	19671,	20059,	19567, 19568,
14700, 14789,	20064,	20082,	19569, 19570,
14801, 14813,	20255,	20473,	19571, 19572,
14874, 14916,	20755,	20938,	19573, 19588,
14922, 14997,	20939,	20953,	19589, 19590,
15015, 15174,	21008,	21259,	19591, 19593,
15184, 15420,	21281, 21404, 21405		19594, 19595,
15426, 15438,	\ifodd 2264,		19598, 19601,
15441, 15442,	5941, 8247, 8264,		19610, 19611,
15443, 15445,	8324, 10900,		19612, 19615,
15446, 15447,	11946, 11952,		19618, 19816,
15448, 15457,	20465, 21255, 21325		19817, 19818,



19819, 19820,	7843, 7844, 7930,	136, 151, 155,
19821, 19822,	7935, 7938, 7939,	159, 166, 787,
19823, 19824,	7940, 7941, 7942,	791, 1039, 1043,
19867, 19868,	7945, 7949,	1289, 1293, 1783,
19869, 19870,	10981, 10996,	1784, 2130, 2136,
19872, 19873,	15300, 16723, 16768	2142, 2157, 2188,
19874, 19877,	\iftocstyle@autolength	2240, 2243, 2504,
19880, 19889,	..... 20104	2505, 2506, 2508,
19890, 19891,	\iftocstyle@indentnotnumbered	2608, 2637, 2640,
19894, 19897,	..... 20149, 20196	2660, 2664, 2684,
19927, 19928,	\iftrue 2730,	2688, 2703, 2707,
19929, 19931,	4926, 4939, 4952	2777, 2846, 2864,
19932, 19933,	\ifttl@label 18953	2942, 3130, 3146,
19936, 19939,	\ifTX@ 18809	3482, 3488, 3489,
19948, 19949,	\ifvbox 10475,	3526, 3527, 3528,
19950, 19953,	11772, 15040, 15055	3529, 3539, 3545,
19956, 19976,	\ifvmode . 4329, 4715,	3570, 3575, 3580,
19979, 19982,	4718, 4721, 4724,	3585, 3591, 3596,
20002, 20006,	13775, 14843,	3784, 3890, 3914,
20011, 20023,	15204, 15224, 18761	3929, 3994, 4006,
20026, 20030, 20040	\ifvoid 7363,	4038, 4049, 4084,
\ifstrstart	7379, 7422, 7438,	4090, 4101, 4102,
19807, 19839, 19913	7457, 7465, 7498,	4113, 4143, 4152,
\iftagsleft@ .. 328, 8282	7623, 7634, 7672,	4153, 4173, 4188,
\iftest 3559	7973, 7994, 8005,	4198, 4212, 4219,
\ifthenelse .. 2498,	8030, 8062, 8084,	4231, 4247, 4302,
2515, 2519, 2523,	9047, 9048, 9056,	4313, 5255, 6079,
2531, 4411, 4471,	9062, 9086, 9087,	6100, 6253, 6305,
4473, 4476, 4480,	9103, 9115,	6310, 6312, 7339,
4483, 4486, 4511,	10515, 10530,	7402, 8042, 8094,
4568, 4587, 4602,	11337, 11495,	8789, 8805, 8809,
4607, 4613, 4622,	11516, 11671,	10778, 10814,
4633, 4639, 4645,	11676, 11694,	11168, 11379,
4646, 4653, 4660,	11696, 11705,	11580, 11629,
4662, 4668, 4685,	11715, 11735,	11667, 11844,
4703, 4705, 4709,	11736, 11740,	11886, 11887,
4727, 4728, 4731,	11751, 11758,	11893, 11980,
4732, 4767, 4776,	12831, 12835,	11982, 11988,
4787, 4797, 4846,	13717, 13791,	11999, 12001,
4961, 5185, 5203,	14828, 14983,	12004, 12005,
5204, 5222, 5223,	14985, 14999,	12022, 12028,
5241, 5242, 5273,	15000, 15044,	12029, 12031,
5274, 5392, 5397,	15048, 15052,	12034, 12046,
5421, 5426, 5450,	15535, 15601,	12047, 12049,
5455, 5532, 5536,	15603, 15608,	12052, 12061,
5584, 5797, 5843,	20615, 20668,	12063, 12072,
5852, 5860, 5887,	20678, 21110,	12074, 12087,
5934, 6003, 6014,	21125, 21126, 21149	12114, 12123,
7814, 7820, 7837,	\ifWF@float 20447, 20461	12143, 12159,
7840, 7841, 7842,	\ifx 115, 134,	12176, 12185,



12204,	12217,	18130,	18137,	16799,	16809,
12251,	12257,	18157,	18162,	16827,	17163,
12270,	12301,	18169,	18175,	17184,	17189,
12312,	12323,	18199,	18270,	17194,	17199,
12630,	12633,	18274,	18282,	17217,	17743,
12636,	12639,	18288,	18300,	17764,	17769,
12683,	12691,	18338,	18401,	17774,	17779,
12717,	12725,	18406,	18769,	17797,	18080,
12748,	12777,	18988,	19330,	18426,	18447,
12981,	13002,	19685,	19689,	18452,	18457,
13044,	13064,	19693,	19790,	18462,	18480,
13256,	13257,	20071,	20142,	20553,	20557,
13261,	13263,	20154,	20162,	20800,	20839,
13620,	14521,	20179,	20204,	20848,	20857, 20866
14562,	14662,	20271,	20276,	\iii	3863
14930,	14934,	20278,	20522,	\ilg	15429, 15452
14938,	15160,	20565,	20698,	\immediate ..	4326, 6317
15164,	15171,	20808,	20811,	\in@	4189
15177,	15316,	20818,	20979,	\includegraphics ..	
15328,	15598,	20987,	21026,	... 2539, 7816,	
15650,	15691,	21073,	21338,	7947, 15234, 15302	
15704,	15717,	21339, 21341, 21342		\includemedia	
15984,	15988,	\ifXC@tst 20545, 20594		13995, 14325, 14326	
16125,	16129,	\ignorespaces ... 46,		\includepdf	15293
16856,	16882,	60, 76, 122,		\indentedwidth ...	8807
16889,	16909,	249, 263, 278,		\index	3741,
16914,	16921,	336, 623, 632,		3742, 10953, 21349	
16927,	16951,	930, 1182, 1191,		\indexname 591, 592,	
17022,	17026,	3312, 3803, 3819,		593, 607, 608,	
17034,	17040,	3821, 3827, 3830,		856, 857, 1108,	
17052,	17076,	3833, 3837, 3842,		1109, 5757, 5758,	
17138,	17143,	4738, 4745, 4746,		6402, 6403, 6579,	
17405,	17431,	4755, 5342, 5360,		6580, 6789, 6790,	
17438,	17458,	5378, 5414, 5443,		6791, 15798,	
17463,	17470,	5472, 5737, 6161,		15799, 16053,	
17476,	17500,	6172, 6325, 6326,		16054, 16512,	
17571,	17575,	6473, 6661, 7031,		16513, 16514,	
17583,	17589,	7037, 7150, 7156,		19055, 19056,	
17601,	17655,	7164, 7171, 8794,		19057, 19061,	
17718,	17723,	8808, 8872, 8878,		19062, 19063,	
17978,	18006,	8884, 11225,		19066, 19067,	
18007,	18008,	11242, 11258,		19073, 19074,	
18009,	18010,	11285, 11299,		19078, 19079,	
18011,	18012,	11313, 11928,		19080, 19083, 19084	
18013,	18017,	11932, 11937,		\indexspace	5773
18023,	18029,	11942, 12988,		\input	1651,
18035,	18041,	13007, 13730,		1652, 1766, 1854,	
18047,	18053,	14534, 14541,		1930, 2351, 5971,	
18059,	18065,	15814, 15823,		6036, 21409,	
18074,	18104,	16264, 16273,		21419, 21420,	



21421,	21422,	\input@path 14016	6961, 7501, 7510,
21423,	21424,	\InputIfFileExists	7520, 7675, 7684,
21425,	21426,	. 3888, 3897, 13055	7694, 8477, 8490,
21427,	21428,	\insert 35, 49, 65, 238,	8747, 8756, 9078,
21429,	21430,	252, 267, 1601,	10584, 10592,
21431,	21432,	1881, 7964, 7980,	11216, 11233,
21433,	21434,	7985, 8001, 8048,	11249, 14793,
21435,	21436,	8054, 8100, 8106,	14805, 14817,
21437,	21438,	8888, 8902, 8916,	15684, 15806,
21439,	21440,	9182, 9192, 9202,	15831, 16203,
21441,	21442,	9291, 9300, 9309,	16256, 16318,
21443,	21444,	9394, 9404, 9414,	16673, 16681,
21445,	21447,	9503, 9513, 9523,	18945, 18986,
21448,	21452,	9612, 9622, 9632,	19120, 19151,
21457,	21464,	9721, 9731, 9741,	19174, 19191,
21465,	21466,	9830, 9840, 9850,	19208, 19225,
21467,	21468,	9939, 9949, 9959,	19242, 19259,
21469,	21470,	10048, 10058,	19277, 19296,
21471,	21472,	10068, 10307,	19316, 19351,
21473,	21474,	10325, 10337,	19684, 20145,
21475,	21476,	11212, 11229,	20259, 20440, 20957
21477,	21478,	11245, 11695,	\intermath@penalty 7030
21479,	21480,	11697, 14984, 14986	\intertextsep 20500, 20502
21481,	21482,	\insert@column 1403,	\InTheoType
21483,	21484,	1404, 1405, 1406,	. . 8298, 15194,
21485,	21486,	1408, 1409, 1469,	15196, 15215, 15217
21487,	21488,	1471, 1472, 1474,	\invoice@name 18043
21489,	21490,	1475, 1476, 7111,	\ior . 14099, 14100, 14104
21491,	21492,	7113, 7114,	\iow 15271
21493,	21494,	7116, 7117, 7118	\isempty 4587,
21495,	21496,	\insertpenalties . .	5185, 5392, 5397,
21497,	21498,	. . . . . 11176, 11725	5421, 5426, 5450,
21499,	21500,	\int 14049,	5455, 5843,
21501,	21502,	14096, 14097,	5852, 5860, 5887
21503,	21504,	14101, 14179,	\isodd 16723, 16768
21505,	21506,	14267, 14270,	\isSC@ODD . . . 18660,
21508,	21509,	14271, 14282,	18661, 18663,
21510,	21511,	14320, 14358,	18664, 21516,
21512,	21513,	14383, 15270, 15272	21518, 21520, 21522
21536,	21537,	\interfootnotelinepenalty	\isundefined . . 4797,
21538,	21539,	39, 53, 69, 242,	4846, 7814, 7820,
21540,	21541,	256, 271, 9078,	7837, 7840, 7841,
21542,	21543,	11216, 11233, 11249	7842, 7843, 7844,
21544,	21545,	\interlinepenalty 39,	7935, 7938, 7939,
21546,	21547,	53, 69, 242, 256,	7940, 7941,
21548,	21549,	271, 551, 615,	7942, 7945, 7949
21550,	21551,	640, 867, 922,	\item 102, 222,
21552,	21553,	1116, 1123, 5649,	596, 611, 860,
21554,	21555,	6410, 6417, 6587,	943, 1112, 5729,
21556, 21557, 21558		6594, 6758, 6953,	5737, 5742, 5763,



6406, 6583, 6794,
10850, 10865,
12932, 15802,
16057, 16517, 19090
\itemindent .. 5724,
5725, 5733, 20762
\itemsep 4460,
5670, 5709, 5723
\itemx 15059
\itemxox 15094
\itemxoxx 15104
\itemxxx 15062
\itemxxo 15099
\itemxxox 15111
\itemxxx 15067
\itemxxxo 15118
\itemxxxx 15074
\itemxxxxx 15083
\itshape 2038,
2511, 5533, 5535,
5539, 5546, 5553,
5588, 5595, 5602,
5609, 5616,
5920, 5921, 5922

J

\j 3877, 3878, 3882
\juo@ht 14589,
14596, 14689,
14696, 14765, 14772
\juo@pr 14572,
14602, 14672, 14702
\juo@sar 14571,
14601, 14643,
14671, 14701, 14740
\juo@sk 14570, 14600,
14643, 14670,
14700, 14740, 14773
\justifying .. 4494,
4564, 5134, 15729
\JustifyingParfillskip
..... 15735
\JustifyingParindent
..... 4466,
5137, 5696, 15736

K

\keepthetitle ... 14393
\kern 27, 29,
30, 31, 231, 233,

234, 235, 336,
532, 534, 536,
538, 716, 717,
719, 722, 723,
725, 737, 952,
954, 957, 959,
989, 1196, 1197,
1199, 1202, 1203,
1205, 1239, 1467,
1472, 2061, 2062,
2063, 2064, 2065,
2066, 2067, 2068,
2072, 2073, 2120,
2122, 2123, 4936,
4937, 4947, 4948,
4950, 5415, 5416,
5444, 5445, 5473,
5474, 6494, 6495,
6497, 6500, 6501,
6503, 6524, 6647,
6648, 6650, 6653,
6654, 6656, 6701,
6924, 6926, 6928,
6930, 7109, 7114,
7136, 7959, 7960,
8368, 8375, 8383,
8390, 8429, 8433,
8515, 8517, 8519,
8521, 8814, 8816,
8818, 8820, 8863,
8864, 8990, 8991,
10597, 10599,
10601, 10603,
10741, 10742,
10743, 10985,
11128, 11130,
11131, 11132,
11133, 11134,
11166, 11384,
11448, 11826,
11872, 12942,
12944, 12945,
12946, 13016,
13018, 13020,
13022, 13730,
14852, 14911,
14912, 14956,
14958, 14959,
14960, 15607,
15618, 15621,

15648, 15664,
15884, 15885,
15887, 15890,
15891, 15893,
15934, 16073,
16307, 16308,
16310, 16313,
16314, 16316,
16464, 16466,
16468, 16470,
16646, 16648,
16650, 16652,
16881, 16885,
16888, 16891,
16892, 17137,
17140, 17142,
17145, 17430,
17434, 17437,
17440, 17441,
17717, 17720,
17722, 17725,
17998, 18000,
18002, 18004,
18129, 18133,
18136, 18139,
18140, 18400,
18403, 18405,
18408, 18696,
18702, 18959,
20475, 20479,
20485, 20488,
20510, 20669,
20679, 20709,
20712, 20714, 21278
\keys .. 13812, 14008,
14102, 14341, 14342
\keywords 324
\kill 13617
\KOMAClassName 16963,
17280, 17512,
17860, 18211, 18543
\KV@do 13072, 13077
\KV@prefix 13070, 13075

L

\l . 8324, 8340, 8343,
8349, 8352, 8354,
8355, 8358, 8359,
8362, 8365, 8366,
8367, 8372, 8373,



8374, 8380, 8381,	14097,	14099,	\L@gridtrue	13037
8382, 8387, 8388,	14100,	14101,	\L@hang . . .	13028, 13120
8389, 8398, 8401,	14104,	14108,	\L@imagefalse . . .	13036
8409, 13820,	14110,	14111,	\L@imagetrue	13036
13822, 13828,	14112,	14113,	\l@initial	13025
13830, 13836,	14114,	14115,	\L@lbox 13074, 13081,	
13837, 13838,	14116,	14118,	13082, 13083,	
13839, 13840,	14119,	14120,	13119, 13120, 13155	
13841, 13842,	14121,	14123,	\l@LOKeys . . .	13065,
13843, 13844,	14124,	14125,	13067, 13072, 13077	
13845, 13846,	14127,	14128,	\L@lraise . . .	13096,
13848, 13849,	14129,	14132,	13097, 13102, 13155	
13851, 13852,	14133,	14134,	\L@next 13127, 13128,	
13853, 13860,	14137,	14170,	13141, 13143, 13146	
13861, 13862,	14172,	14175,	\l@ngrel@x	
13864, 13866,	14200,	14202,	. . 2942, 2943, 2945	
13869, 13870,	14234,	14238,	\L@Nindent . .	13033,
13877, 13887,	14250,	14251,	13126, 13128,	
13888, 13889,	14297,	14307,	13130, 13143, 13145	
13890, 13891,	14313,	14325,	\L@novskip	
13892, 13893,	14326,	14345,	13035, 13105, 13109	
13894, 13895,	14346,	14347,	\L@oversize	
13896, 13897,	14348,	14349,	13029, 13086, 13091	
13898, 13899,	14350,	14351,	\l@paragraph 19218, 20240	
13900, 13901,	14352,	14353,	\L@parshape	
13905, 13906,	14388,	14389,	. 13134, 13136,	
13907, 13909,	15275, 15277, 15286		13141, 13143,	
13911, 13914,	\l@	19361	13149, 13151, 13154	
13915, 13917,	\L@ante		\l@part	500,
13918, 13919,	13031, 13121, 13155		652, 670, 896,	
13928, 13938,	\l@chapter 6453, 6467,		914, 1135, 1153,	
13939, 13940,	6630, 6644, 6908,		6429, 6445, 6606,	
13941, 13942,	10561, 15867,		6622, 6893, 8456,	
13943, 13944,	15881, 16239,		8711, 10546,	
13945, 13946,	16253, 16445,		15843, 15859,	
13952, 13954,	16630, 19010,		16215, 16231,	
13955, 13956,	19011, 19143, 20224		16431, 16615,	
13959, 13961,	\l@color . .	13060, 13061	19007, 19008,	
13963, 13968,	\l@figure	5657,	19096, 20216, 20219	
13969, 13970,	5658, 19252, 20252		\L@Pindent . .	13119,
13972, 13974,	\L@Findent		13120, 13122,	
13979, 13981,	13032, 13123, 13156		13123, 13125,	
13983, 13991,	\L@first 13095, 13097,		13126, 13129, 13136	
14002, 14003,	13099, 13101,		\L@raise . .	13030, 13096
14018, 14019,	13105, 13111,		\L@realhfalse . . .	13038
14020, 14021,	13113, 13115,		\L@realhtrue	13038
14039, 14059,	13117, 13121,		\l@refstring	13025
14067, 14072,	13122, 13124,		\l@section	517,
14086, 14091,	13125, 13134, 13136		678, 691, 880,	
14095, 14096,	\L@gridfalse	13037		



893, 1162, 1175,	12919, 15060,	18357, 19023, 19024
8442, 19162, 20228	15063, 15065,	<code>\langle</code> 2039
<code>\L@selfreffalse</code> . 13039	15068, 15070,	<code>\Larg</code> 2038, 2039,
<code>\L@selfreftrue</code> .. 13039	15072, 15075,	2040, 2041, 2042
<code>\L@slope</code>	15077, 15079,	<code>\Larga</code> 2039
13034, 13145, 13146	15081, 15084,	<code>\Largb</code> 2040
<code>\l@subfigure</code> 19289	15086, 15088,	<code>\LARGE</code> . 416, 487, 744,
<code>\l@subparagraph</code> ...	15090, 15092,	834, 996, 1086,
.... 19235, 20244	15095, 15097,	1246, 1337, 1348,
<code>\l@subsection</code>	15100, 15102,	5588, 5595, 5677,
.... 19184, 20232	15105, 15107,	5920, 6531, 6708,
<code>\l@subsubsection</code> ..	15109, 15112,	6809, 6880, 7899,
.... 19201, 20236	15114, 15116,	8532, 8597, 8627,
<code>\l@subtable</code> 19309	15119, 15121,	8698, 10632,
<code>\l@table</code>	15123, 15902,	10697, 15941,
5658, 19270, 20248	16296, 16490,	16031, 16080,
<code>\L@target@d</code> 13102	16693, 17095,	16177, 16188,
<code>\L@target@t</code>	17675, 18358, 19025	16344, 16531, 16602
13088, 13096, 13101	<code>\labelwidth</code> . 89, 90,	<code>\Large</code> 554, 5539, 5602,
<code>\L@tbox</code> 13041, 13049,	292, 293, 568,	5676, 5921, 5922,
13094, 13099, 13157	569, 703, 704,	7810, 7903, 8480,
<code>\l@textcolor</code> 13062, 13063	966, 967, 1216,	16420, 16929,
<code>\label</code> ... 2535, 4616,	1217, 2549, 2551,	16935, 16937,
4618, 4620, 4624,	5687, 5688, 6481,	16953, 17042,
4676, 10952,	6482, 6669, 6670,	17049, 17051,
12036, 12054, 21348	6978, 6979, 8502,	17054, 17478,
<code>\labelitemi</code> 736, 988,	8503, 8773, 8774,	17484, 17486,
1051, 1238, 6523,	10610, 10611,	17502, 17591,
6700, 15933, 16072	11540, 12918,	17598, 17600,
<code>\labelname</code> .. 15060,	12919, 15060,	17603, 18177,
15063, 15065,	15063, 15065,	18183, 18185,
15068, 15070,	15068, 15070,	18201, 18290,
15072, 15075,	15072, 15075,	18297, 18299, 18302
15077, 15079,	15077, 15079,	<code>\large</code> 418,
15081, 15084,	15081, 15084,	424, 489, 495,
15086, 15088,	15086, 15088,	509, 661, 751,
15090, 15092,	15090, 15092,	761, 836, 842,
15095, 15097,	15095, 15097,	905, 1003, 1013,
15100, 15102,	15100, 15102,	1088, 1094, 1144,
15105, 15107,	15105, 15107,	1253, 1263, 1339,
15109, 15112,	15109, 15112,	1345, 1349, 1354,
15114, 15116,	15114, 15116,	5546, 5609, 5675,
15119, 15121, 15123	15119, 15121,	6438, 6538, 6548,
<code>\labelsep</code> 85, 90, 288,	15123, 15900,	6615, 6715, 6725,
293, 570, 705,	15901, 16294,	6811, 6817, 6882,
968, 1218, 2550,	16295, 16488,	6888, 6902, 7809,
2552, 5686, 5688,	16489, 16691,	7811, 7902, 7904,
5745, 6483, 6671,	16692, 17093,	8465, 8534, 8540,
6980, 8504, 8775,	17094, 17673,	8599, 8605, 8629,
10612, 12914,	17674, 18356,	8635, 8700, 8706,



8719, 10555,	\LaTeXe ... 20703, 20704	18974, 19121,
10634, 10640,	\LBEG 2043	19152, 19175,
10699, 10705,	\lcb 2040, 2043, 2044, 2047	19192, 19209,
15852, 15948,	\lccode 3504,	19226, 19243,
15958, 16033,	3506, 20466, 20467	19260, 19278,
16039, 16087,	\Lcs 2054	19297, 19317,
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21367, 21370,	6812, 6883, 8535,	5732, 5740, 6480,
21372, 21379,	8600, 8630, 8701,	6668, 6977, 8501,
21383, 21385,	10635, 10700,	8772, 10609,
21388, 21389,	10956, 13649,	12918, 15133,
21402, 21403,	13755, 15756,	15899, 16293,
21411, 21412,	15949, 16034,	16487, 16690,
21413, 21560, 21562	16088, 16180,	17090, 17670,
\Letter 2400	16189, 16347,	18353, 19022, 20754
\lettergroup 5774	16423, 16534,	\listdoubleitemmaincolumnwidth
\LettrineDepth .. 13083	16605, 16929, 2454,
\LettrineHeight ...	17043, 17478,	2467, 2468,
13082, 13090, 13095	17592, 18177,	2469, 2496, 2500
\LettrineSecondString	18291, 18748,	\listfigurename ...
..... 13041	18787, 20931, 21351 5627, 5628
\LettrineTextFont .	\lineskiplimit	\listitemmaincolumnwidth
13041, 13049, 13094 10957, 21351 2453,
\LettrineWidth	\linespacing .. 24, 12953	2461, 2462, 2494
..... 13074, 13081	\linespread 2929	\listitemsymbol 2395,
\lftside 15466,	\linewidth ... 2508,	2452, 2493,
15468, 15471,	4652, 10851,	2495, 7765, 7863
15473, 15487, 15489	10866, 10870,	\listitemsymbolwidth
\Line 8187, 8190,	11538, 11546, 2451,
8195, 8198, 8203,	11547, 11549,	2452, 2462, 2468
8204, 8207, 8208,	11550, 11983,	\listoffigures ... 5625
8212, 8213, 8216,	13124, 13127,	\listoftables 5633
8217, 8221, 8222,	13149, 13151,	\listparindent
8225, 8226, 8230,	13752, 14467,	938, 5725, 5732,
8231, 8234, 8235	14473, 15208,	5733, 20761, 20770
\line 7197, 7198,	15210, 15228,	\listtablename 5635, 5636
7200, 7201, 7207,	15230, 15424,	\llap 5712, 8297,
7208, 7210, 7211,	15430, 15516,	8998, 9010, 9022,
7220, 7221, 7223,	15525, 15526,	10758, 10764,



11792, 11928,	14409, 14459,	\Lreset@listparshape
11930, 11932,	14509, 14531,	..... 13158
11934, 11937,	14943, 14947,	\LRfootnoterule ...
11939, 11942,	14951, 15405,	. 7958, 8862, 11138
11944, 13155,	15614, 15932,	\lsb 2041, 2049
18694, 18956, 18974	15997, 16071,	\lst@@caption 13257,
\LoadClass .. 5959, 5983	16138, 16334,	13263, 13270, 13275
\long 34,	16377, 16563,	\lst@alloverstyle .
48, 64, 237, 251,	16854, 17403,	..... 2030, 2036
266, 448, 735,	17977, 18077,	\lst@HRefStepCounter
800, 987, 1050,	18102, 18666,	.... 13257, 13263
1237, 1302, 1972,	18852, 18856,	\lst@ifnumberbychapter
2190, 2193, 2196,	18859, 18863,	.... 13296, 13297
2201, 2204, 2207,	20508, 20705,	\lst@Key .. 13200, 13207
2673, 2674, 2683,	20801, 21178,	\lst@MakeCaption ..
2686, 2697, 2876,	21182, 21186,	.... 13255, 13268
2880, 2913, 2945,	21222, 21226,	\lst@makecaption ..
2949, 3059, 3078,	21230, 21289, 21392	.... 13252, 13285
3153, 3169, 3181,	\longindentation . 8806	\lst@maketitle 13253,
3190, 3222, 3250,	\longthickrule	13286, 13290, 13292
3262, 3263, 3634,	.... 16415, 16421	\lst@title@dropdelim
3636, 3641, 3642,	\loop 1774,	..... 13253
3659, 3660, 3667,	1775, 3717, 3727,	\lstKV@SwitchCases
3676, 3679, 3686,	7290, 7460, 7466,	.... 13201, 13208
3704, 4322, 4586,	7571, 7626, 7638,	\lstset 2000
4735, 4995, 4999,	10161, 10170,	\LT@chl ... 13609, 13611
5003, 5039, 5043,	13111, 15422,	\LT@ctabarray
5047, 5083, 5087,	15458, 15485,	.... 13608, 13612
5091, 5302, 5389,	15496, 15523, 18807	\LT@array ... 12816,
5418, 5447, 6258,	\looprepeat .. 3734,	13598, 17266,
6261, 6264, 6268,	3738, 3782, 3853,	17267, 17846,
6271, 6274, 6522,	3860, 3865, 3871,	17847, 18529, 18530
6699, 6841, 7134,	3874, 3876,	\LT@bchunk
7963, 7984, 8562,	3880, 3881, 3886	13639, 13646, 13650
8659, 10662,	\lower 1628,	\LT@caption . 13617,
11212, 11229,	1900, 15620,	17268, 17274,
11245, 11273,	15654, 15662,	17276, 17848,
11287, 11301,	20502, 20711, 20713	17854, 17856,
11790, 11804,	\lowercase ... 2743,	18531, 18537, 18539
11813, 11859,	2751, 2759, 2767	\LT@cols 13652,
11900, 11907,	\lowertitleback ...	17251, 17831, 18514
12339, 12350,	17012, 17561, 18260	\LT@end@pen 13700
12361, 12372,	\LR 12808,	\LT@endpbox 13619
12387, 12402,	15587, 15620,	\LT@err 13701
12445, 12462,	20687, 20711, 20713	\LT@foot 12831,
12483, 12500,	\lrb 2042, 2051	12835, 13704,
12516, 12533,	\LRE 1591, 1635, 1871,	13708, 13717, 13720
12547, 12564,	1905, 12807,	\LT@head .. 13711, 13724
12578, 12595,	15587, 15590,	\LT@hline 13617
12820, 13236,	20314, 20687, 20690	\LT@kill 13617



\LT@lastfoot	\LTRcolumnfootnotes	\LTRsidenote . 5217, 5477
13704, 13706, 13717	8981	\LTRthanks 411, 431,
\LT@LL@FM@cr 13626, 13630	\LTRdblcol 21107	466, 485, 5831,
\LT@make@row 13647	\LTRdfnmakecol . . . 8116	5839, 5856, 5872,
\LT@makecaption . . .	\LTRfootfootmark . .	5883, 6804, 6824,
. 13651, 13662,	. . . . . 8883,	6859, 6878, 8622,
17243, 17823, 18506	9008, 9222,	8642, 8677, 8696,
\LT@mc col 13607, 13652,	9328, 9434, 9543,	11347, 14396,
17251, 17831, 18514	9652, 9761, 9870,	16069, 16109,
\LT@no@pgbk 13615, 13616	9979, 10088, 10356	16155, 16175,
\LT@nofcols 13646	\LTRfootmarkstyle .	16329, 16359,
\LT@output 13698	. . . . . 8994, 9033	16399, 16417,
\LT@p@ftn . . . 12440,	\LTRfootnote . . . 411,	16526, 16546,
12443, 12447,	485, 2128, 2136,	16581, 16600,
12457, 12478,	5481, 5831, 6804,	16904, 16989,
12481, 12485,	6878, 8622, 8696,	17020, 17453,
12495, 13691,	11193, 16069,	17538, 17569,
13692, 13694, 13695	16175, 16329,	18152, 18237, 18268
\LT@p@ftntext . . . 13684	16417, 16526,	\ltx@firstofthree .
\LT@p@LTRftntext . .	16600, 16904,	. . . . 11063, 11087
. 12438,	17020, 17453,	\ltx@ifundefined . .
12445, 13685, 13690	17569, 18152, 18268	. . . . 11057, 11081
\LT@p@RTLftntext . .	\LTRfootnotetext . .	\ltx@secondofthree
. 12476,	. . . . . 2194,	. . . . 11066, 11090
12483, 13686, 13693	2205, 6262,	\ltx@thirdofthree .
\LT@rows . . 13641, 13671	6272, 11349,	11059, 11076, 11083
\LT@setprevdepth 13642	11351, 12441,	
\LT@start . 12833, 12843	13691, 18853, 18857	M
\LT@startpbox	\LTRfootscript 8994,	\m@addvipersep
13623, 13630, 13682	9011, 9015, 9017	. . . . 14592, 14692
\LT@tabularcr . . . 13613	\LTRfoottextfont . .	\m@m@float@spacing 8985
\LT@captype . . . . .	. . . . . 8884,	\m@m@footnote@spacing
13664, 13673, 13674	8920, 8945, 9073,	. . . 8890, 8904,
\LT@capwidth	9194, 9222, 9242,	8918, 8932, 8943,
13652, 13665, 13666	9302, 9328, 9347,	8954, 8984, 9183,
\LT@left 13601,	9406, 9434, 9454,	9193, 9203, 9229,
13603, 13605, 13643	9515, 9543, 9563,	9241, 9254, 9265,
\LTR . 15579, 20663, 20665	9624, 9652, 9672,	9270, 9292, 9301,
\LTR@column@boxes .	9733, 9761, 9781,	9310, 9335, 9346,
. 14859,	9842, 9870, 9890,	9358, 9368, 9373,
14875, 14906, 14908	9951, 9979,	9395, 9405, 9415,
\LTR@outputdblcol .	9999, 10060,	9441, 9453, 9466,
. . 7390, 10803,	10088, 10108,	9477, 9482, 9504,
11564, 14650,	10328, 10356, 10391	9514, 9524, 9550,
21061, 21105, 21107	\LTRight 13601,	9562, 9575, 9586,
\LTRbiditufesidenotemarginpar 13603, 13605, 13644	. . . . 13601,	9591, 9613, 9623,
. . 5022, 5348, 5498	\LTRmarginnote . . . 5495	9633, 9659, 9671,
\LTRcite 5292,	\LTRmarginpar . . . 21161	9684, 9695, 9700,
5412, 5441, 5470,	\LTRmulticolcolumns	9722, 9732, 9742,
5492, 5501, 5510	. . . . . 14904	9768, 9780, 9793,



9804, 9809, 9831, 9841, 9851, 9877, 9889, 9902, 9913, 9918, 9940, 9950, 9960, 9986, 9998, 10011, 10022, 10027, 10049, 10059, 10069, 10095, 10107, 10120, 10131, 10136, 10218, 10280, 10315, 10327, 10339, 10370, 10389, 10403, 10421, 10431, 10440, 10449	\m@make@mpsixcol@footgroup 9608, 9698 \m@make@emptencol@footgroup 10044, 10134 \m@make@mpthreecol@footgroup 9287, 9371 \m@make@mptwocol@footgroup 9178, 9268 \m@make@ninecol@footgroup 9929, 10020 \m@make@para@footgroup 10197, 10255, 10414 \m@make@para@footstart . 10198, 10204, 10256, 10262, 10452	9558, 9571, 9583, 9621, 9631, 9641, 9667, 9680, 9692, 9730, 9740, 9750, 9776, 9789, 9801, 9839, 9849, 9859, 9885, 9898, 9910, 9948, 9958, 9968, 9994, 10007, 10019, 10057, 10067, 10077, 10103, 10116, 10128, 10324, 10336, 10348, 10385, 10399, 10413
\m@m@h 9148, 9150, 9152, 9155, 9156, 9161	\m@make@sevendcol@footgroup 9711, 9802 \m@make@sixcol@footgroup 9602, 9693	\m@mold@footnotetext . 8962, 8970, 10247 \m@mold@LTRfootnotetext 8963, 8971
\m@m@k 9148, 9150, 9155, 9158, 9159, 9161	\m@make@tencol@footgroup 10038, 10129 \m@make@threecol@footgroup 9281, 9366	\m@mold@mpfootnotetext . 8965, 8973, 10268 \m@mold@mpLTRfootnotetext 8966, 8974
\m@m@makecolfloats 10470, 10523, 10529	\m@make@twocol@footgroup 9172, 9263 \m@mold@mpRTLfootnotetext . 8967, 8975, 10273	
\m@m@makecolintro . 10485, 10514, 10527	\m@mold@extrafeet ... 9042, 10522, 10536	\m@mold@RTLfootnotetext . 8964, 8972, 10252
\m@m@makecoltext .. 10474, 10524, 10537	\m@mold@extrafeetendmini 9111, 9124	\m@mopfootnote 10486, 10520
\m@m@singlespace . 8983	\m@mold@extrafeetmini 9083	\m@mremovehboxes 10176,
\m@make@eightcol@footgroup 9820, 9911	\m@mdosplits .. 9153, 9157, 9158, 9159	10177, 10419, 10429, 10439, 10448
\m@make@fivecol@footgroup 9493, 9584	\m@minterparanoteglue 10154, 10156	\m@mrigidbalance 9150,
\m@make@footstart 9129, 9141	\m@mipn@skip 10146, 10153, 10155	9155, 9267, 9272, 9370, 9375, 9479,
\m@make@fourcol@footgroup 9384, 9475	\m@mmakehboxofhboxes 10158, 10168, 10418,	9484, 9588, 9593, 9697, 9702, 9806,
\m@make@mpeightcol@footgroup 9826, 9916	10428, 10438, 10447 \m@mmp@prepare 8900, 8914, 8928, 8989,	9811, 9915, 9920, 10024, 10029, 10133, 10138
\m@make@mpfivecol@footgroup 9499, 9589	9191, 9201, 9211, 9237, 9250, 9262,	\m@msplitoff . 9158, 9160 \m@mungebox 10147, 10324,
\m@make@mpfourcol@footgroup 9390, 9480	9299, 9308, 9317, 9342, 9354, 9365,	10336, 10348, 10385, 10399, 10413
\m@make@mpninecol@footgroup 9935, 10025	9403, 9413, 9423, 9449, 9462, 9474,	\m@muvxh . 10139, 10148 \m@ne 304, 544,
\m@make@mppara@footgroup 10213, 10275, 10434	9512, 9522, 9532,	553, 2727, 2916,
\m@make@mpsevendcol@footgroup 9717, 9807		



11572, 11573,	\mdfframetitleboxdepth	13046, 13088,
11575, 11621,	..... 13781	13089, 13092,
11622, 11624,	\mdfframetitleboxheight	14505, 14506,
14554, 14555,	..... 13780	14836, 14855,
14557, 14654,	\mdfframetitleboxtotalheight	14927, 15004,
14655, 14657,	..... 13782	15011, 16965,
18800, 18839,	\mdfframetitleboxwidth	17116, 17123,
20215, 20218,	..... 13779	17514, 17696,
20223, 20227,	\mdseries 307,	17703, 18213,
20231, 20235,	7806, 7808, 7810,	18379, 18386,
20239, 20243,	7811, 7898, 7899,	19727, 19729, 19732
20247, 20251,	7900, 7903, 7904	\MH 8295, 8299, 8304,
20436, 21018,	\meaning 2636,	8305, 8309, 8313,
21019, 21021,	2639, 2882, 3115,	8314, 8318, 8326,
21065, 21066, 21068	3142, 3157, 3175,	8328, 8333, 8345,
\mbox 11888, 13155, 18080	3183, 3192, 3256	8353, 8358, 8361,
\mc@col@status@write	\mediabutton	8364, 8366, 8367,
.... 14863, 14887	14328, 14388, 14389	8369, 8370, 8373,
\mc@gridwarn 14853	\medskip 6117	8374, 8376, 8377,
\mc@lastcol@status@write	\medskipamount ... 8808	8379, 8381, 8382,
.... 14869, 14895	\mem@makecol 10513, 10539	8384, 8385, 8388,
\mdf@footnotedistance@length	\memRTLleftskip . 14427	8389, 8391, 8392,
..... 13793	\memRTLraggedleft 14432	8394, 8399, 8400,
\mdf@footnoteinput	\memRTLraggedright	8401, 8402, 8403,
..... 13801	..... 14431	8404, 8405, 8406,
\mdf@footnoteoutput	\memRTLrightskip 14428	8407, 8416, 8418,
..... 13790	\memRTLvleftskip 14429	8422, 8423, 8425
\mdf@frametitleaboveskip@length	\memRTLvrightskip 14430	\MHInternalSyntaxOff
..... 13785	\message . 1843, 1845,	..... 8440, 13733
\mdf@frametitlealignment	11412, 11420,	\MHInternalSyntaxOn
..... 13766	11424, 11429,	..... 8280, 13727
\mdf@frametitlebelowskip@length	11437, 11443,	\MidFrameCommand ..
..... 13786	11453, 11458,	11400, 11444, 11512
\mdf@frametitlebox	11460, 11467,	\minrowclearance ..
. 13765, 13778,	11475, 11488,	.. 1453, 1487, 7129
13779, 13780,	11496, 11501,	\mintagvsep 8300
13781, 13783, 13784	11506, 11519,	\missingfigure
\mdf@frametitlefont	11530, 11538, 11550	..... 20394, 20424
..... 13768	\MessageBreak	\mix 13822,
\mdf@frametitlefontcolor	.... 148, 3369,	13823, 13830,
..... 13767	3383, 3395, 3409,	13831, 13857,
\mdf@horizontalmargin@equation	4086, 4097, 4104,	13874, 13897,
..... 13743	4116, 4122, 4220,	13900, 13902,
\mdf@ignorevbadness	4273, 4274, 4275,	13925, 13957,
..... 13777	4289, 4290, 4292,	13965, 13974,
\mdf@lrbbox 13736, 13765	4570, 4666, 4893,	13985, 13996,
\mdf@par@local .. 13759	4894, 4962, 5566,	13998, 14003,
\mdf@patchamsthm 13737	5567, 5568, 5570,	14004, 14006,
\mdfframedtitleenv	5571, 5575, 5576,	14007, 14009,
..... 13764	5577, 5579, 5580,	14021, 14030,



14033, 14034,	\mp@LTRfootgroupv@l	\na ... 15444, 15446,
14035, 14045,	..... 9094,	15448, 15457,
14055, 14056,	9106, 10216, 10278	15459, 15484, 15485
14058, 14059,	\mpfootnoterule ...	\narrower 20894
14064, 14065,	..... 11165, 11169	\NAT@bibitem@first@sw
14081, 14083,	\msg ... 13877, 13880,	..... 15141
14085, 14090,	13928, 13931,	\nb 15444,
14129, 14136,	13946, 13949, 13991	15447, 15448,
14137, 14140,	\MT 8319, 8325, 8327, 13728	15457, 15458,
14158, 14160,	\mult@cols 14942	15479, 15495, 15496
14163, 14165,	\mult@footnotetext	\NC@find 18806
14168, 14175,	..... 151, 153,	\NC@rewrite@X ... 18805
14183, 14185,	14930, 14932, 14943	\NeedsTeXFormat 1494,
14238, 14243,	\mult@gfirstbox ...	1935, 1991, 2124,
14254, 14255,	14860, 14877, 14883	2316, 2565, 2633,
14258, 14289,	\mult@info 14834	4405, 4971, 5513,
14294, 14296,	\mult@LTRfootnotetext	5659, 5775, 5802,
14303, 14304,	..... 155, 157,	5951, 5975,
14307, 14322,	14934, 14936, 14947	6040, 7750, 7848
14326, 14329,	\mult@rightbox	\new@command . 2918, 2920
14331, 14340,	. 14827, 14867,	\new@poem@width 6127,
14343, 14353,	14868, 14870,	6128, 6129, 6130,
14354, 14356,	14892, 14893, 14896	6215, 6249, 6252
14379, 14385, 14389	\mult@RTLfootnotetext	\newblock 2563, 6227,
\mkern 20156,	..... 159, 161,	6327, 15135, 15137
20157, 20265, 20963	14938, 14940, 14951	\newboolean 4413, 4416,
\mobile 2437	\multfootsep . 5306, 5324	4418, 4420, 4421,
\Mobilefone 2397	\multi@column@out .	4433, 4497, 4507,
\mobilesymbol 2397, 7840, 7938	..... 14996, 15039	4574, 4597, 4898,
\modernpoem 6365	\multicol@leftmargin	5522, 5781, 5808
\modernpoem@obeylines	..... 14837, 14846	\newbox 6182, 6183
..... 6112, 6365	\multicols 14915	\newcommand .. 1525,
\modernpoem@par ...	\multicolumn 13607, 18774	1526, 1532, 1538,
.. 6112, 6113, 6329	\multiplefootnotemarker	1555, 1556, 1560,
\morefloats . 4796, 4893	... 5305, 5321,	1561, 1572, 1575,
\moreLRE 1592,	5415, 5416, 5444,	1578, 1601, 1602,
1872, 15541, 20621	5445, 5473, 5474,	1617, 1633, 1649,
\moreRLE 1594,	8988, 8990, 8991	1777, 2029, 2035,
1874, 15542, 20622	\multiply 1942, 1947,	2038, 2039, 2040,
\moveleft .. 4946, 14748	2285, 10235,	2041, 2042, 2043,
\moveright 14977, 14980,	10297, 14976,	2044, 2341, 2427,
10958, 14846, 21354	14977, 14980,	2432, 2433, 2434,
\mp@footgroupv@r ..	14981, 15441, 15445	2436, 2437, 2438,
..... 9102,	\myrefname 18031	2440, 2441, 2443,
9147, 9179, 9288,		2444, 2455, 2456,
9391, 9500, 9609,	N	2476, 2483, 2485,
9718, 9827, 9936,	\n@xt 1590, 1592,	2489, 2493, 2495,
10045, 10215, 10277	1594, 1595, 1870,	2501, 2510, 2512,
	1872, 1874, 1875	2514, 2518, 2522,



2527, 2539, 2563,	5126, 5127, 5128,	\newcounter
2569, 2742, 2750,	5129, 5130, 5131,	... 5193, 6311,
2758, 2766, 2783,	5132, 5133, 5134,	10877, 11041,
2789, 2795, 2801,	5135, 5144, 5194,	19331, 19335, 19336
2807, 2813, 2819,	5213, 5232, 5254,	\newdimen 6073, 6074,
2825, 2832, 2835,	5260, 5285, 5286,	6124, 9148, 11700
2838, 2844, 2856,	5320, 5476, 5477,	\newenvironment 2076,
2862, 2874, 2877,	5478, 5486, 5495,	2087, 2096, 2105,
2879, 2886, 2890,	5504, 5517, 5518,	2540, 4543, 4558,
2896, 2903, 2906,	5641, 5694, 5774,	4561, 4599, 4726,
2909, 2912, 2928,	5787, 5821, 5822,	6300, 6364,
2934, 2978, 2983,	5823, 5824, 5825,	12912, 20665,
3105, 3129, 3180,	5826, 5827, 5828,	20675, 20831,
3189, 3266, 3269,	5879, 5893, 6069,	20840, 20849, 20858
3272, 3275, 3278,	6076, 6085, 6089,	\newfloat@setwithin
3281, 3284, 3288,	6099, 6118, 6315,	... 15168,
3291, 3305, 3315,	6316, 7921, 8115,	15174, 15182, 15184
3328, 3343, 3908,	8116, 8125, 8132,	\newfloat@Error . 15187
3909, 3925, 3940,	8148, 8154, 8170,	\newfloat@setwithin
3944, 3950, 3953,	8177, 8824, 8838,	... 15154
3956, 3959, 3964,	8865, 8869, 8875,	\newif 1553,
3967, 3970, 3974,	8881, 9035, 9038,	1554, 1558, 1559,
3978, 3981, 3982,	10178, 10243,	1562, 1563, 1564,
3983, 3985, 3993,	10500, 10539,	1565, 1566, 1567,
4002, 4004, 4014,	10540, 10541,	1568, 1570, 1571,
4016, 4028, 4030,	10542, 10981,	1856, 1857, 1858,
4037, 4045, 4047,	10984, 11043,	1859, 1860, 1861,
4056, 4058, 4069,	11048, 11050,	2318, 2347, 2526,
4071, 4072, 4076,	11056, 11072,	2574, 3131, 3616,
4080, 4150, 4160,	11096, 11108,	5996, 6184, 7753,
4164, 4169, 4203,	11162, 11208,	7755, 7757, 7759,
4241, 4264, 4265,	11209, 11210,	7824, 7851, 7853,
4266, 4298, 4299,	11263, 11265,	7855, 7857, 7920,
4300, 4301, 4312,	11971, 13214,	8822, 8823,
4409, 4410, 4411,	13225, 14901,	11039, 11047,
4412, 4434, 4437,	14904, 14907,	13735, 20303, 20304
4464, 4491, 4492,	16836, 16837,	\newinsert ... 1597,
4493, 4494, 4509,	17385, 17386,	1877, 4799, 4800,
4528, 4564, 4566,	18084, 18085,	4801, 4802, 4803,
4567, 4572, 4573,	20305, 20307,	4804, 4805, 4806,
4575, 4576, 4583,	20612, 20613,	4807, 4808, 4809,
4584, 4585, 4593,	20661, 20662,	4810, 4811, 4812,
4596, 4684, 4702,	20753, 20875,	4813, 4814, 4815,
4912, 4920, 4930,	20876, 20978,	4816, 4817, 4818,
4933, 4941, 5110,	21106, 21107, 21304	4819, 4820, 4821,
5111, 5112, 5113,	\newcount 1768,	4822, 4823, 4824,
5114, 5115, 5116,	1938, 1939, 2567,	4825, 4826, 4827,
5117, 5118, 5119,	2577, 2581, 3447,	4828, 4829, 4830,
5120, 5121, 5122,	3550, 3710, 3771,	4831, 4832, 4848,
5123, 5124, 5125,	3851, 9148, 20970	4849, 4850, 4851,



4852, 4853, 4854,	\newtoks 2126,	10593, 12967,
4855, 4856, 4857,	2647, 2648, 3448,	12969, 13014,
4858, 4859, 4860,	3449, 3619, 3632,	13724, 13792,
4861, 4862, 4863,	3657, 3710, 6125,	14797, 14808,
4864, 4865, 4866,	11049, 15537, 20617	14809, 14820,
4867, 4868, 4869,	\newXeTeXintercharclass	14821, 15683,
4870, 4871, 4872,	. . . . . 1770, 1771	15685, 15838,
4873, 9137,	\next 21001, 21004	15839, 15853,
9142, 9145, 9146	\next@tpage	15877, 16210,
\newlength . . . 2445,	. 16910, 16942,	16211, 16225,
2446, 2447, 2449,	16952, 16955,	16249, 16440,
2450, 2451, 2453,	17023, 17459,	16456, 16625,
2454, 2537, 4525,	17491, 17501,	16641, 16670,
4526, 4527, 4581,	17504, 17572,	16674, 16682,
4598, 5386, 7905,	18158, 18190,	17077, 18077,
7907, 7909, 7911,	18200, 18203, 18271	18961, 18978,
7913, 19363,	\ninecolumnfootnotes	18985, 19126,
19365, 19366, 19993	. . . . . 9921	19129, 19157,
\newline 2508, 4760	\no@bib@break	19158, 19180,
\newlinechar 1819	17102, 17682, 18365	19181, 19197,
\newlinetospace 4757,	\noalign . 1367, 6238,	19198, 19214,
4777, 4778, 4779,	9158, 13614,	19215, 19231,
6016, 6017, 6018	13615, 13616,	19232, 19248,
\newlistentry	17244, 17269,	19249, 19265,
. . . . 19328, 19395	17271, 17824,	19266, 19283,
\newpage 458, 480, 809,	17849, 17851,	19284, 19302,
829, 1061, 1081,	18507, 18532, 18534	19303, 19322,
1311, 1331, 4267,	\nobibliography . . 5190	19323, 19357,
4269, 4273, 4278,	\nobidilogo 1906	19358, 19393,
4279, 4282, 4286,	\nobreak 14,	19551, 19552,
4288, 4291, 5912,	16, 209, 211,	19658, 19660,
5949, 5950, 6851,	510, 528, 555,	19708, 19740,
6873, 7747, 8572,	559, 647, 648,	19745, 19748,
8592, 8669, 8691,	662, 688, 875,	20148, 20153,
10672, 10692,	876, 890, 906,	20161, 20262,
13614, 14418,	1130, 1131, 1145,	20263, 20267,
16006, 16026,	1172, 4329, 5313,	20960, 20961, 20965
16147, 16169,	5653, 5654, 6138,	\nobreakspace 554
16391, 16413,	6140, 6146, 6424,	\node 20348, 20378, 20384
16573, 16595,	6425, 6439, 6463,	\noexpand . 386, 2148,
16980, 17529, 18228	6601, 6602, 6616,	2149, 2163, 2164,
\newpoem@tabcr	6640, 6754, 6762,	2191, 2194, 2197,
. . 6328, 6337, 6338	6774, 6903, 6919,	2602, 2643, 2652,
\newsavebox . . 2075,	6949, 6954, 6962,	2656, 2676, 2680,
4542, 4577, 4578	7180, 8453, 8466,	2779, 2881, 2882,
\newskip 2113,	8481, 8485, 8493,	2884, 3110, 3111,
2114, 2115,	8720, 8743, 8748,	3112, 3114, 3115,
2921, 10153, 11562	8757, 8801, 8802,	3140, 3142, 3160,
\newthought 5715	10556, 10572,	3161, 3162, 3165,
\NewTokenList 3657	10581, 10585,	3172, 3173, 3174,



3176, 3182, 3183,	20294, 20295,	\normalbaselines 20735
3185, 3191, 3192,	20537, 20552,	\normalbaselineskip
3194, 3253, 3255,	20580, 20586,	..... 311,
3256, 3467, 3613,	20599, 20924, 21308	4450, 10223,
3618, 3624, 3672,	\noindent 448,	10234, 10285,
3700, 3703, 3706,	623, 632, 930,	10296, 13756, 15757
3707, 3791, 3798,	1182, 1191, 1972,	\normalcolor .. 2293,
3801, 3802, 3819,	4552, 4745, 5336,	7141, 7352, 7417,
3823, 3825, 3826,	5354, 5372, 5489,	8414, 9066, 9090,
3827, 3835, 3836,	5498, 5507, 5717,	9098, 9106, 9120,
3837, 3840, 3841,	5737, 5898, 5900,	10494, 10507,
3842, 3877, 3934,	5902, 6093, 6473,	11339, 11392,
4095, 4096, 4098,	6661, 6841, 7037,	11597, 11644,
4234, 4339, 4373,	8562, 8659, 8804,	11745, 11755,
4374, 5162, 5164,	8867, 10322,	11762, 13000,
5172, 5565, 5568,	10334, 10346,	13794, 14822,
5574, 5577, 6259,	10383, 10397,	20046, 20268,
6262, 6265, 6317,	10411, 10423,	20514, 20966,
7529, 7704, 8057,	10433, 10442,	21039, 21088,
8109, 10879,	10451, 10662,	21118, 21134,
10880, 10885,	11791, 13153,	21145, 21153,
10886, 10938,	14482, 15814,	21360, 21376, 21407
11713, 11723,	15823, 16264,	\normalfont 25, 38, 52,
12431, 12441,	16273, 16339,	68, 85, 241, 255,
12449, 12450,	16382, 16563,	270, 288, 447,
12451, 12453,	16873, 16910,	450, 552, 799,
12479, 12487,	17023, 17077,	801, 1053, 1301,
12488, 12489,	17191, 17196,	1303, 1971, 1974,
12491, 12520,	17422, 17459,	2038, 2043, 2044,
12521, 12522,	17572, 17771,	2046, 2047, 2048,
12524, 12551,	17776, 17992,	2049, 2050, 2051,
12552, 12553,	18021, 18027,	2052, 4491, 5110,
12555, 12582,	18033, 18039,	5111, 5112, 5200,
12583, 12584,	18045, 18051,	5219, 5238, 5304,
12586, 13643,	18057, 18063,	5539, 5546, 5553,
13691, 13694,	18069, 18078,	5745, 6750, 6770,
14256, 14522,	18121, 18158,	6840, 6843, 6945,
17099, 17100,	18271, 18454,	6960, 8286, 8291,
17679, 17680,	18459, 20326,	8297, 8478, 8491,
18362, 18363,	20329, 20331,	8561, 8564, 8658,
18670, 18742,	20333, 20336,	8661, 8739, 8755,
18779, 18780,	20340, 20342,	8999, 9003, 9005,
18853, 18860,	20398, 20460, 20893	9011, 9015, 9017,
19338, 19810,	\nointerlineskip ..	9023, 9027, 9029,
19843, 19850,	... 7974, 7995,	10578, 10591,
19855, 19856,	11383, 13775,	10661, 10664,
19916, 20287,	14844, 21279, 21287	12914, 12949,
20288, 20289,	\nopagebreak	12954, 13000,
20290, 20291,	. 6192, 6202, 13616	13768, 14408,
20292, 20293,	\nopagenumbers ... 2527	14822, 15247,



15260, 15996,	14798, 14808,	O
15998, 16137,	14809, 14820,	\obeylines .. 6228, 6329
16139, 16333,	14821, 15812,	\ocgbase .. 14312, 14314
16340, 16376,	15815, 15937,	\oddpaper .. 1939,
16383, 16562,	15966, 16027,	1943, 1944, 1945,
16565, 16667,	16076, 16105,	1948, 1949, 1950
16680, 19383,	16170, 16262,	\oddsidemargin 1961,
19388, 19389,	16265, 16341,	2356, 8265,
19747, 20046,	16355, 16414,	11947, 11956,
20268, 20966, 21407	16528, 16542,	11960, 21329, 21333
\normalfootnotes ..	16596, 16919,	\on@stripcols@break
..... 8968, 8979	16941, 16952,	..... 7613
\normallineskip ...	17023, 17031,	\onecolumn 597,
2385, 13755, 15756	17468, 17490,	613, 862, 1114,
\normalparindent 42,	17501, 17572,	2394, 6408, 6585,
56, 72, 245, 259, 274	17580, 18167,	6795, 15804,
\normalRTLparaLTRfootnotes	18189, 18200,	16059, 16518, 19091
..... 10243	18271, 18279,	\opening ... 8789, 13002
\normalsfcodes	18695, 18701,	\OptArg 2055, 2121
.... 10951, 21347	18723, 19126,	\OptArg@i ... 2121, 2122
\normalsize ... 307,	19157, 19180,	\OptArg@ii .. 2121, 2123
4443, 4444, 4451,	19197, 19214,	\OptArgs 2120
5018, 5062, 5106,	19231, 19248,	\optparams ... 4619,
5200, 5219, 5238,	19265, 19283,	5476, 5477, 5478,
5616, 7808, 7900,	19302, 19322,	5480, 5481, 5482
10949, 14540,	19357, 19708,	\OR 4613, 4685,
16422, 16880,	20148, 20262, 20960	4705, 4709, 4961
16887, 17429,	\number 8, 139,	\or 1403, 1404,
17436, 18128,	203, 2601, 2602,	1405, 1407, 1408,
18135, 19747,	2608, 2613, 3126,	1428, 1429, 1430,
21201, 21245, 21345	3742, 3857, 3863,	1434, 1435, 1436,
\NOT 4645,	3869, 3872, 3878,	1437, 1438, 1442,
4646, 4685, 4705,	3882, 6210, 6304,	1443, 1471, 1472,
4709, 5392, 5421,	7981, 8002, 8047,	1473, 1475, 1476,
5450, 5532, 5536	8053, 8056, 8099,	1656, 1662, 1668,
\null .. 413, 427, 481,	8105, 8108, 8337,	1674, 1680, 1686,
621, 624, 740,	8340, 12961, 14918	1688, 1690, 1692,
769, 830, 928,	\numberline	1698, 1704, 1710,
931, 992, 1021,	.. 4738, 13270,	1723, 1731, 1738,
1082, 1180, 1183,	13275, 14534,	1748, 7112, 7113,
1242, 1271, 1332,	19056, 20058,	7114, 7116, 7117,
5653, 6227, 6471,	20276, 20279, 20282	12275, 12279,
6474, 6527, 6556,	\numberline@box ...	19370, 19373,
6659, 6662, 6704,	.... 19711, 19712	19376, 20201,
6733, 6806, 6820,	\numberline@tempa 20278	20312, 20319,
6874, 8529, 8543,	\numberwithin 329	20541, 20590,
8593, 8624, 8638,	\numexpr . 2929, 4346,	20993, 20994, 20996
8692, 10629,	19528, 19636, 19810	\orig@footnotetext
10643, 10693,	\nxLcs . 2054, 2055, 2056	. 152, 14931, 14946
12881, 12898,		

\p@subtable	18754	\PackageWarning 138,	\par	5, 15, 46,
\PackageError		2924, 3323, 3441,		60, 76, 107, 108,
.	144, 2713,	4074, 4103, 6306,		109, 110, 200,
2745, 2748, 2753,		7762, 7860,		210, 227, 228,
2756, 2761, 2764,		10881, 11517,		229, 249, 263,
2769, 2772, 2923,		13045, 13057,		278, 310, 313,
4283, 4410, 5518,		14854, 14917,		397, 416, 422,
10180, 13205,		15002, 15009,		424, 425, 444,
13212, 13380,		15148, 19333, 19724		487, 493, 497,
13383, 13386,		\PackageWarningNoLine		509, 528, 555,
13389, 13392,		. . . . .		558, 624, 634,
13395, 13398,		2588, 4270		648, 661, 688,
13401, 13405,		\page@sofar . 164, 14826		749, 759, 766,
13408, 13411,		\pagebreak		767, 795, 834,
13414, 13417,		13615, 20444, 20453		840, 844, 876,
13420, 13423,		\pagecontents . . . 15601		890, 905, 931,
13426, 13429,		\pagedepth 20438		945, 1001, 1011,
13432, 13435,		\pagefillstretch 20450		1018, 1019, 1047,
13438, 13441,		\pagefilstretch . 20449		1086, 1092, 1096,
13444, 13447,		\pagefootnoterule .		1131, 1144, 1172,
13450, 13453,		. . . . . 11164, 11172		1183, 1193, 1251,
13456, 13459,		\pagegoal		1261, 1268, 1269,
13462, 13465,		. 11411, 11413,		1297, 1337, 1343,
13468, 13471,		11418, 11425,		1348, 1353, 1356,
13474, 13477,		11466, 11468,		1932, 1968, 2309,
13480, 13483,		13705, 14760, 20441		4639, 4647, 4706,
13486, 13489,		\pageinwindow 7297		4707, 4710, 4711,
13492, 13495,		\pagenumbering 2392, 6000		4736, 4745, 4746,
13498, 13501,		\pageref 2531, 2533		4915, 4931, 5655,
13504, 13507,		\pageshrink . 11427,		5770, 5771, 5772,
13510, 13513,		11431, 11447,		5773, 5898, 5900,
13516, 13519,		11473, 11485, 20444		5902, 5920, 5921,
13522, 13525,		\pagestretch . 11426,		5922, 6096, 6203,
13528, 13531,		11447, 11485, 20448		6217, 6228, 6246,
13534, 13537,		\pagestyle . . . 1937,		6321, 6329, 6354,
13540, 13543,		2383, 2391, 2534,		6425, 6438, 6463,
13546, 13549,		4765, 6001, 7846		6474, 6536, 6546,
13552, 13555,		\pagetotal . . 11413,		6553, 6554, 6602,
13558, 13561,		11418, 11424,		6615, 6640, 6662,
13564, 13567,		14417, 14758,		6713, 6723, 6730,
13570, 13573,		14761, 14772,		6731, 6754, 6762,
13576, 13579,		20436, 20441, 20499		6774, 6809, 6815,
13582, 13585,		\paperheight . . 2320,		6817, 6818, 6837,
13588, 13591,		2323, 2326, 2329,		6880, 6886, 6890,
13594, 14923,		2332, 2335,		6902, 6919, 6949,
18989, 19342, 20980		2338, 2339, 8242		6954, 6962, 7039,
\PackageInfo		\paperwidth . . 2321,		7180, 7597, 7967,
. . . 2925, 3971,		2324, 2327, 2330,		7988, 8453, 8465,
4073, 4220, 4412,		2333, 2336, 2339,		8481, 8484, 8492,
13087, 15768, 20298		2340, 8242, 8250		8532, 8538, 8540,



8541, 8558, 8597,	15946,	15956,	17775,	17776,
8603, 8607, 8627,	15963,	15964,	17780,	17991,
8633, 8635, 8636,	15992,	16031,	18021,	18027,
8655, 8698, 8704,	16037,	16041,	18033,	18039,
8708, 8719, 8743,	16085,	16095,	18045,	18051,
8748, 8757, 8791,	16102,	16103,	18057,	18063,
8796, 8799, 8801,	16133,	16177,	18069,	18071,
8802, 8812, 9113,	16183,	16188,	18074,	18077,
9219, 9222, 9225,	16193,	16196,	18081,	18120,
9325, 9328, 9331,	16211,	16224,	18165,	18170,
9431, 9434, 9437,	16249,	16265,	18173,	18175,
9540, 9543, 9546,	16275,	16339,	18180,	18183,
9649, 9652, 9655,	16344,	16350,	18185,	18187,
9758, 9761, 9764,	16352,	16353,	18193,	18201,
9867, 9870, 9873,	16372,	16382,	18207,	18277,
9976, 9979, 9982,	16420,	16425,	18283,	18286,
10085, 10088,	16428,	16439,	18288,	18294,
10091, 10423,	16456,	16531,	18297,	18299,
10433, 10442,	16537,	16539,	18302,	18305,
10451, 10555,	16540,	16559,	18449,	18453,
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10585, 10593,	16612,	16624,	18459,	18463,
10632, 10638,	16641,	16670,	18784,	19394,
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10703, 10707,	16922,	16925,	20167,	20269,
10875, 11335,	16927,	16932,	20326,	20327,
12937, 12938,	16935,	16937,	20333,	20334,
12939, 12958,	16939,	16945,	20336,	20344,
12968, 12976,	16953,	16959,	20397,	20663,
13004, 13009,	17029,	17035,	20664,	20673,
13012, 13014,	17038,	17040,	20674,	20832,
13104, 13246,	17046,	17049,	20841,	20850,
13648, 13748,	17051,	17054,	20859,	20928,
13771, 13775,	17057,	17077,	20967, 21396, 21417	
14404, 14476,	17186,	17190,	\par@update	relative
14482, 14488,	17191,	17195,	.....	16913,
14492, 14498,	17196,	17200,	17025,	17462,
14513, 14532,	17421,	17466,	17574, 18161, 18273	
14541, 14798,	17471,	17474,	\paragraph	..... 5551
14810, 14823,	17476,	17481,	\paragraphfootnotes	
15061, 15073,	17484,	17486,	....	10183, 10189
15135, 15408,	17488,	17494,	\parbox	..... 2480,
15579, 15580,	17502,	17508,	2482,	7834,
15581, 15582,	17578,	17584,	8807,	10756,
15675, 15676,	17587,	17589,	10757,	10758,
15683, 15684,	17595,	17598,	10762,	10763,
15744, 15815,	17600,	17603,	10764,	12076,
15825, 15839,	17606,	17766,	12078,	12082,
15852, 15877,	17770,	17771,	12084,	12115,



12116,	12119,	10359,	10553,	9214, 9320, 9426,
12120,	12177,	10568,	12966,	9535, 9644, 9753,
12178,	12181,	13755,	14791,	9862, 9971,
12182,	12206,	14803,	14815,	10080, 10350,
12208,	12212,	15698,	15711,	10354, 10358,
12214,	13652,	15724,	15735,	10459, 10468,
14470,	14499,	15834,	15850,	10552, 10567,
15059,	15061,	15873,	16206,	10578, 10590,
15062,	15064,	16222,	16245,	10662, 11790,
15066,	15067,	16437,	16452,	12933, 12965,
15069,	15071,	16622,	16637,	13751, 14792,
15073,	15074,	18940,	18969,	14804, 14816,
15076,	15078,	18999,	19118,	15128, 15699,
15079,	15080,	19149,	19172,	15712, 15725,
15081,	15082,	19189,	19206,	15736, 15800,
15083,	15085,	19223,	19240,	15836, 15849,
15086,	15087,	19257,	19275,	15872, 15932,
15088,	15089,	19294,	19314,	15949, 16055,
15090,	15091,	19349,	19544,	16071, 16088,
15092,	15093,	19652,	19678,	16208, 16221,
15094,	15096,	19680,	19740,	16244, 16339,
15097,	15098,	20141,	20143,	16382, 16419,
15099,	15101,	20257, 20870, 20955		16436, 16451,
15102,	15103,	\parindent 12,		16515, 16563,
15104,	15106,	42, 56, 72, 103,		16621, 16636,
15107,	15108,	207, 223, 245,		16667, 16679,
15109,	15110,	259, 274, 448,		16873, 17422,
15111,	15113,	506, 523, 550,		17992, 18121,
15114,	15115,	594, 609, 645,		18950, 18987,
15116,	15117,	658, 683, 735,		19088, 19119,
15118,	15120,	752, 858, 873,		19150, 19173,
15121,	15122,	885, 902, 939,		19190, 19207,
15123,	15124,	987, 1004, 1050,		19224, 19241,
17252,	17832,	1110, 1128, 1141,		19258, 19276,
18021,	18027,	1167, 1237, 1254,		19295, 19315,
18033,	18039,	1972, 2387, 4467,		19350, 19543,
18045,	18051,	5138, 5647, 5689,		19651, 19682,
18057,	18063,	5697, 5762, 5915,		20077, 20138,
18069, 18080, 18515		6221, 6324, 6404,		20139, 20258,
\parfillskip 13,		6422, 6435, 6458,		20669, 20679,
208, 507, 524,		6522, 6539, 6581,		20770, 20870,
643, 659, 684,		6599, 6612, 6635,		20895, 20896, 20956
870, 886, 903,		6699, 6716, 6750,	\parsep . . . 942, 4459,	
1126, 1142, 1168,		6770, 6792, 6841,	4460, 5669, 5670,	
5646, 6222, 6420,		6899, 6914, 6945,	5708, 5735, 20769	
6436, 6459, 6597,		6959, 7063, 7094,	\parshape 7036,	
6613, 6636, 6900,		7185, 8448, 8462,	11539, 11547,	
6915, 7067, 7186,		8476, 8489, 8562,	13154, 15210,	
8449, 8463, 8717,		8659, 8716, 8739,	15230, 15414,	
10351, 10355,		8754, 8866, 9134,	15579, 15581,	



16338, 16381,	\pdfm@box ... 12882,	\pgf@trimright@final
16860, 16869,	12890, 12899, 12907	15381, 15382, 15384
17409, 17418,	\pdfstringdefDisableCommands	\pgf@x 15373,
17982, 17989,	..... 12806	15377, 15380, 15384
18108, 18117,	\penalty 744,	\pgf@y 15370
20663, 20673,	996, 1246, 6142,	\pgfpic 15400
20799, 20834,	6464, 6531, 6641,	\pgfpicture 15341
20836, 20837,	6708, 6920, 7024,	\pgfpictureid
20838, 20843,	7030, 7501, 7510,	.... 15346, 15357
20845, 20846,	7520, 7675, 7684,	\pgfpicturetrue . 15344
20847, 20852,	7694, 10152,	\pgfsys@discardpath
20854, 20855,	10352, 10356,	..... 15393
20856, 20861,	10360, 10573,	\pgfsys@endpicture
20863, 20864, 20865	11448, 15878,	..... 15396
\parskip .. 103, 223,	15941, 16080,	\pgfsys@endscope 15395
595, 610, 859,	16250, 16457,	\pgfsys@markposition
1111, 1965, 2388,	16642, 19554,	..... 15357
4468, 5139, 5690,	20065, 20173, 20440	\pgfsys@typesetpicturebox
5698, 5761, 5916,	\pgf@baseline ... 15369	..... 15400
6220, 6323, 6358,	\pgf@insertlayers 15391	\pgfutil@gobble . 15347
6405, 6582, 6793,	\pgf@nodecallback 15347	\pgfutil@ifnextchar
7503, 7512, 7522,	\pgf@oldpicture . 15354	..... 15354
7677, 7686, 7696,	\pgf@picmaxx . 15348,	\phantom .. 14002, 14849
8795, 8798, 8800,	15360, 15362, 15380	\phantomsection .. 2478
8802, 12933,	\pgf@picmaxy 15350, 15364	\phone 2438
13008, 13011,	\pgf@picminx	\phonesymbol
13013, 13751,	15349, 15363, 15373	.. 2398, 7841, 7939
13760, 15414,	\pgf@picminy 15351, 15365	\photo 2443
15747, 15801,	\pgf@picture 15354	\picbox 15519
16056, 16419,	\pgf@picture@serial@count	\picinwindow 7317
16516, 18014,	.... 15345, 15346	\picwd 15407,
19089, 20077,	\pgf@process	15410, 15518, 15520
20435, 20439, 20769	15369, 15372, 15379	\plainauthor .. 4777,
\part 23, 12952	\pgf@relevantforpicturesizefalse	5820, 5822,
\partname 554, 8480	..... 15368	5861, 5862, 5865
\partopsep	\pgf@relevantforpicturesizetrue	\plainfootnotes .. 8979
.. 5711, 14455,	..... 15352	\plainpublisher ...
14457, 15204, 15224	\pgf@remember@layerlist@globally	.. 5823, 5888, 5889
\PassOptionsToClass	..... 15386	\printtitle .. 4778,
..... 5953,	\pgf@resetpathsizes	4779, 5820, 5821,
5954, 5955, 5956,	..... 15353	5844, 5845,
5957, 5977, 5978,	\pgf@restore@layerlist@from@global	5848, 6016, 6018
5979, 5980, 5981	..... 15390	\plc@sep 5709
\PassOptionsToPackage	\pgf@shift@baseline	\plparsep 5708
..... 4970, 5800	..... 15370	\plpartopsep 5711
\pbs 15268, 15289	\pgf@trimleft ... 15372	\pLRE 1591,
\pbs@newkey 15272	\pgf@trimleft@final	1592, 1871, 1872
\pdfencryptsetup ..	15374, 15375, 15377	\pltopsep 5710
.. 1649, 1650, 1758	\pgf@trimright .. 15379	\poem@finish
		.. 6253, 6303, 6310



<code>\poem@line</code>	<code>\prepare@bidi@copyins</code>	15571, 20623,
.. 6180, 6186, 6237	..... 11556,	20633, 20643, 20652
<code>\poem@linebegin</code> . . .	11589, 11638, 11796	<code>\protected@edef</code> . . .
..... 6137, 6195	<code>\prepare@multicols</code>	.... 43, 57, 73,
<code>\poem@lineend</code> 6138, 6201	..... 14987	246, 260, 275,
<code>\poem@lineparsebegin</code>	<code>\preparefootins</code> . . .	5337, 5355, 5373,
.. 6149, 6206, 6233	.... 11588, 11637	8895, 8909, 8923,
<code>\poem@lineparseend</code>	<code>\PrependToTokenList</code>	8935, 8946, 8957,
.. 6175, 6187, 6244	..... 3660	9186, 9196, 9206,
<code>\poem@lineversesep</code>	<code>\prepnext@tok</code> . 1400,	9232, 9245, 9257,
..... 6139, 6198	1410, 1458,	9295, 9304, 9313,
<code>\poem@needrun</code> . 6131,	1490, 7104, 7132	9338, 9350, 9361,
6250, 6305, 6307	<code>\presetkeys</code> 20426	9398, 9408, 9418,
<code>\poem@obeylines</code> 6232,	<code>\presig@skip</code> 18080	9444, 9457, 9469,
6301, 6341, 6365	<code>\prevdepth</code> ... 4639,	9507, 9517, 9527,
<code>\poem@prop</code> .. 6213, 6315	4647, 8037,	9553, 9566, 9578,
<code>\poem@startedfalse</code>	8091, 14460, 14851	9616, 9626, 9636,
.. 6230, 6339, 6345	<code>\pRLE</code> 1593,	9662, 9675, 9687,
<code>\poem@startedtrue</code> .	1594, 1873, 1874	9725, 9735, 9745,
... 6188, 6189,	<code>\process@cols</code> 14827,	9771, 9784, 9796,
6229, 6331, 6333,	14860, 14877, 14883	9834, 9844, 9854,
6338, 6346, 6348	<code>\ProcessOptions</code> 2350,	9880, 9893, 9905,
<code>\poem@verse</code>	4435, 5526, 5785,	9943, 9953, 9963,
.. 6126, 6196, 6199	5817, 5958,	9989, 10002,
<code>\poem@width</code> .. 6129,	5982, 7764, 7862	10014, 10052,
6130, 6134, 6211,	<code>\ProcessOptionsX</code> . 1756	10062, 10072,
6213, 6216, 6249	<code>\protect</code> 393,	10098, 10111,
<code>\poem@write@aux</code> . . .	1591, 1592, 1593,	10123, 10318,
.. 6252, 6304, 6316	1594, 1818, 1871,	10330, 10342,
<code>\poemblocksep</code>	1872, 1873, 1874,	10379, 10393,
.. 6123, 6227, 6327	2130, 2136, 2142,	10407, 11220,
<code>\poemcolsepskip</code> . . .	2148, 2157, 2163,	11237, 11253,
..... 6114, 6143	2987, 2988, 3618,	11281, 11295, 11309
<code>\poemextrabaselineskip</code>	3624, 4325, 4738,	<code>\protected@write</code> . .
.. 6116, 6204, 6239	10938, 11349,	..... 1717,
<code>\poemmarginskip</code> . . .	11363, 13270,	1721, 4305, 4316
.. 6115, 6137, 6138	13275, 13636,	<code>\protected@xdef</code> 5400,
<code>\poemskip</code> 6117, 6217, 6248	14534, 18774,	5429, 5458, 5841,
<code>\postbibhook</code> 14548	18775, 18779,	5858, 5874,
<code>\postdisplaypenalty</code>	18787, 19056,	5885, 11185,
.... 10849, 10863	19400, 20606, 21308	11194, 11348,
<code>\postmath</code> 7030	<code>\protected</code> . . . 1871,	11353, 11362,
<code>\PotEndMark</code>	1873, 2923, 2924,	11368, 12450,
.. 8289, 8294, 8297	2925, 2935, 2943,	12488, 12521,
<code>\predisplaydirection</code>	2945, 2951, 3137,	12552, 12583, 12646
..... 15627,	3153, 3169, 3192,	<code>\providecommand</code> 2395,
15628, 21404, 21405	3194, 3244, 3297,	2396, 2397, 2398,
<code>\predisplaypenalty</code>	3310, 15543,	2399, 2400, 2411,
.... 10848, 10862	15553, 15563,	2412, 2413, 2414,
<code>\premath</code> 7026		2415, 2416, 2417,



2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2635, 5298, 5305, 5306, 5715, 7825, 7830, 11071	18751, 18756, 18790, 18865, 18895, 18914, 18934, 18963, 19012, 19093, 19401, 20056, 20302, 20431, 20507, 20611, 21559	7208, 7209, 7210, 7211, 7219, 7220, 7221, 7222, 7223, 7224, 7229, 7230, 7231, 7232, 7233, 7234, 7242, 7243, 7244, 7245, 7246, 7247, 7252, 7253, 7254, 7255, 7256, 7257, 7265, 7266, 7267, 7268, 7269, 7270, 7275, 7276, 7277, 7278, 7279, 7280, 8242, 8256, 8274, 15245, 15247, 15260, 15263
\ProvidesClass 2317, 5952, 5976	\ProvidesPackage 1497, 1936, 1992, 2125, 2566, 2634, 4406, 4972, 5514, 5660, 5776, 5803, 6041, 7751, 7849	Q \Q 5155, 5177 \q 13897, 13900, 14129, 14183
\ProvidesExplPackage 13809	\prune 15424, 15462, 15466, 15471, 15475, 15487, 15498, 15525	\qauthor 15674 \qqquad 5591, 5598, 5605, 5612, 5619, 5654, 15676
\ProvidesFile 1, 131, 165, 196, 326, 337, 342, 344, 403, 598, 847, 1099, 1359, 6393, 6570, 6747, 6780, 6993, 7048, 7090, 7092, 7095, 7133, 7176, 7191, 7287, 7325, 7953, 8118, 8237, 8240, 8279, 8441, 8614, 8788, 8821, 10545, 10721, 10750, 10766, 10843, 10873, 10882, 10887, 11037, 11377, 11554, 11797, 11924, 11966, 12267, 12911, 12997, 13001, 13023, 13160, 13199, 13303, 13597, 13726, 13734, 14392, 14549, 14787, 14825, 15058, 15125, 15153, 15191, 15212, 15232, 15266, 15292, 15340, 15404, 15632, 15673, 15689, 15789, 16044, 16321, 16503, 16706, 16835, 17384, 17975, 18083, 18658, 18665, 18725,	\psgrid 15636 \pspicture 15633 \psset 15671 \pst@dima 15648 \pst@dimb 15646, 15651, 15653, 15658, 15661 \pst@dimc 15664 \pst@dimd ... 15645, 15651, 15652, 15653, 15654, 15658, 15659, 15660, 15661, 15662 \pst@hbox ... 15641, 15645, 15646, 15647, 15663, 15665, 15666, 15668 \pst@ifstar 15633 \pst@killglue ... 15637 \pst@picture 15633 \pst@shift 15638, 15660, 15668 \pst@tempa 15650, 15652 \publisher .. 5878, 5879 \publishers 17010, 17559, 18258 \put 7196, 7197, 7198, 7199, 7200, 7201, 7206, 7207,	\quad 1636, 1905, 4777, 4778, 4779, 6016, 6017, 6018, 6123, 20736, 20745 \quote 2444 \quotecolour 2406, 7769, 7867 \quotefont ... 2415, 2423, 7809, 7902 \quotestyle 2423, 7822, 7951 \quotewidth .. 2445, 2457, 7822, 7951
		R \R@@page 16711, 16712, 16721, 16723, 16754, 16755, 16766, 16768 \raggedbottom 2393 \raggeddictum 17146, 17726, 18409 \raggeddictumauthor 17148, 17728, 18411



<code>\raggeddictumtext</code> .	8739, 8754, 8791,	<code>\rbrace</code> ... 20725, 20734
17147, 17727, 18410	8794, 8799, 8807,	<code>\rcb</code> 2040, 2043, 2044, 2048
<code>\RaggedLeft</code> . 15703,	10578, 10590,	<code>\rcol@footinsskip</code> .
15752, 15768,	12934, 12954,	.... 11569, 11618
15772, 15785,	13004, 13007,	<code>\realfootnote</code> ... 12643
15787, 18663,	13012, 14431,	<code>\recomputelengths</code> .
18664, 21518,	14432, 15676,	..... 2456, 2473
21522, 21526, 21534	15678, 15684,	<code>\recomputethemengths</code>
<code>\raggedleft</code> 25, 104,	16667, 16679,	..... 2455,
224, 550, 6750,	17060, 17061,	2471, 7914, 7919
6945, 6959, 8476,	17146, 17147,	<code>\reflectbox</code> 11858
8489, 8739, 8754,	17148, 17150,	<code>\refname</code> 563, 564, 698,
8791, 8794, 8799,	17609, 17726,	699, 961, 962,
8807, 10578,	17727, 17728,	1211, 1212, 2542,
10590, 12934,	17730, 18074,	5750, 8497, 8498
12954, 13004,	18080, 18308,	<code>\refstepcounter</code> ...
13007, 13012,	18409, 18410,	.... 545, 8471,
14431, 14432,	18411, 18413,	10864, 12820,
15676, 15678,	19685, 19688,	13258, 13264,
15684, 16667,	19692, 19793,	13599, 14525,
16679, 17060,	20867, 20872,	15201, 15222, 19053
17061, 17146,	20874, 20875, 20876	<code>\refvskip</code> 18015
17147, 17148,	<code>\RaggedRightLeftskip</code>	<code>\regex</code> 13837,
17150, 17609,	..... 15721	13842, 13845,
17726, 17727,	<code>\RaggedRightParfillskip</code>	13848, 13851,
17728, 17730,	..... 15724	13852, 13888,
18074, 18080,	<code>\RaggedRightParindent</code>	13893, 13895,
18308, 18409,	..... 4465,	13939, 13940, 13952
18410, 18411,	5136, 5695, 15725	<code>\reinsert@footnotes</code>
18413, 20871,	<code>\RaggedRightRightskip</code>	..... 14988,
20873, 20875, 20876	..... 5692, 15722	14990, 15018,
<code>\RaggedLeftLeftskip</code>	<code>\raggedsection</code>	15020, 15025,
..... 15708	17060, 17609, 18308	15027, 15032, 15034
<code>\RaggedLeftParfillskip</code>	<code>\raise</code> 10744, 12949	<code>\relax</code> 2, 8, 10, 12, 14,
..... 15711	<code>\raisebox</code> 4690, 4695,	28, 85, 103, 132,
<code>\RaggedLeftParindent</code>	4706, 4707, 4710,	166, 197, 203,
..... 15712	4711, 8287, 8292,	205, 207, 209,
<code>\RaggedLeftRightskip</code>	8308, 8311, 8427,	223, 232, 288,
..... 15709	12089, 12091,	301, 319, 393,
<code>\raggedpart</code> 17061	12095, 12097,	407, 408, 409,
<code>\RaggedRight</code> . 15716,	12124, 12125,	430, 431, 432,
15754, 15769,	12128, 12129,	433, 438, 439,
15774, 15786,	12186, 12187,	440, 441, 465,
15788, 18663,	12190, 12191,	466, 467, 468,
18664, 21518,	12219, 12221,	469, 474, 475,
21522, 21528, 21532	12225, 12227, 13155	476, 477, 501,
<code>\raggedright</code> 25,	<code>\rangle</code> 2039	595, 610, 617,
104, 224, 550,	<code>\rawtext</code> 15414,	647, 653, 671,
6750, 6770, 6945,	15420, 15442,	724, 731, 732,
6959, 8476, 8489,	15443, 15524, 15528	733, 737, 746,



755,	772,	773,	4337,	4346,	4374,	8619,	8620,	8641,
778,	779,	780,	4439,	4937,	5146,	8642,	8643,	8644,
781,	784,	787,	5254,	5317,	5321,	8649,	8650,	8651,
791,	816,	817,	5325,	5405,	5416,	8652,	8676,	8677,
818,	823,	824,	5434,	5445,	5463,	8678,	8679,	8680,
825,	826,	859,	5474,	5532,	5729,	8685,	8686,	8687,
875,	897,	915,	5737,	5742,	5773,	8688,	8712,	8858,
924,	958,	983,	5958,	5982,	6078,	8859,	8860,	8861,
984,	985,	989,	6083,	6086,	6093,	8862,	8991,	9171,
998,	1007,	1024,	6131,	6137,	6232,	9215,	9280,	9321,
1025,	1030,	1031,	6250,	6279,	6286,	9383,	9427,	9492,
1032,	1033,	1036,	6293,	6305,	6341,	9536,	9601,	9645,
1039,	1043,	1068,	6405,	6412,	6424,	9710,	9754,	9819,
1069,	1070,	1075,	6430,	6446,	6502,	9863,	9928,	9972,
1076,	1077,	1078,	6518,	6519,	6520,	10037,	10081,	
1111,	1118,	1130,	6524,	6533,	6542,	10155,	10186,	
1136,	1154,	1204,	6559,	6560,	6565,	10196,	10202,	
1233,	1234,	1235,	6566,	6567,	6568,	10225,	10254,	
1239,	1248,	1257,	6582,	6589,	6601,	10260,	10287,	
1274,	1275,	1280,	6607,	6623,	6655,	10305,	10541,	
1281,	1282,	1283,	6695,	6696,	6697,	10542,	10547,	
1286,	1289,	1293,	6701,	6710,	6719,	10625,	10626,	
1318,	1319,	1320,	6736,	6737,	6742,	10627,	10646,	
1325,	1326,	1327,	6743,	6744,	6745,	10647,	10652,	
1328,	1415,	1416,	6793,	6800,	6801,	10653,	10654,	
1433,	1434,	1435,	6802,	6823,	6824,	10655,	10679,	
1654,	1660,	1666,	6825,	6826,	6831,	10680,	10681,	
1672,	1678,	1684,	6832,	6833,	6834,	10686,	10687,	
1696,	1702,	1708,	6858,	6859,	6860,	10688,	10689,	
1715,	1724,	1725,	6861,	6862,	6867,	10726,	10728,	
1729,	1736,	1746,	6868,	6869,	6870,	10732,	10779,	
1818,	1847,	1979,	6894,	7036,	7050,	10815,	10844,	
1980,	1981,	1986,	7051,	7052,	7057,	10854,	10897,	
1987,	1988,	1989,	7058,	7059,	7060,	10917,	10918,	
2213,	2221,	2229,	7063,	7067,	7068,	10933,	11035,	
2280,	2350,	2609,	7069,	7070,	7071,	11167,	11189,	
2614,	2620,	2635,	7072,	7172,	7190,	11198,	11357,	
2833,	2836,	2846,	7340,	7403,	7764,	11372,	11410,	
2864,	2918,	2929,	7862,	7954,	7955,	11432,	11470,	
2942,	3126,	3130,	7956,	7957,	7958,	11581,	11630,	
3458,	3459,	3463,	7970,	7991,	8045,	12029,	12031,	
3502,	3503,	3545,	8057,	8060,	8097,	12034,	12047,	
3568,	3695,	3709,	8109,	8112,	8263,	12049,	12052,	
3772,	3774,	3783,	8269,	8330,	8409,	12298,	12309,	
3784,	3800,	3808,	8457,	8525,	8526,	12320,	12331,	
3825,	3836,	3841,	8527,	8546,	8547,	12345,	12356,	
3890,	3914,	3929,	8552,	8553,	8554,	12367,	12378,	
3946,	3961,	3977,	8555,	8579,	8580,	12393,	12408,	
3994,	4006,	4038,	8581,	8586,	8587,	12449,	12468,	
4049,	4128,	4336,	8588,	8589,	8618,	12487,	12506,	



12520,	12539,	16013,	16014,	17008,	17009,
12551,	12570,	16015,	16020,	17010,	17011,
12582,	12601,	16021,	16022,	17012,	17013,
12683,	12717,	16023,	16056,	17014,	17015,
12748,	12777,	16065,	16066,	17076,	17138,
12914,	12933,	16067,	16073,	17143,	17304,
12943,	12955,	16082,	16091,	17321,	17430,
12961,	12963,	16108,	16109,	17431,	17437,
12965,	12967,	16110,	16111,	17438,	17440,
13052,	13064,	16116,	16117,	17449,	17450,
13071,	13072,	16118,	16119,	17451,	17511,
13076,	13077,	16122,	16125,	17537,	17538,
13086,	13154,	16129,	16154,	17539,	17540,
13636,	13773,	16155,	16156,	17541,	17554,
13776,	13779,	16157,	16158,	17555,	17556,
13780,	13781,	16163,	16164,	17557,	17558,
13787,	14395,	16165,	16166,	17559,	17560,
14396,	14397,	16210,	16216,	17561,	17562,
14398,	14399,	16232,	16258,	17563,	17564,
14459,	14563,	16315,	16320,	17612,	17628,
14663,	14789,	16325,	16326,	17636,	17644,
14791,	14792,	16327,	16358,	17655,	17718,
14795,	14801,	16359,	16360,	17723,	17884,
14803,	14804,	16361,	16366,	17901,	18129,
14807,	14813,	16367,	16368,	18130,	18136,
14815,	14816,	16369,	16398,	18137,	18139,
14819,	14915,	16399,	16400,	18148,	18149,
14957,	15251,	16401,	16402,	18150,	18210,
15252,	15253,	16407,	16408,	18236,	18237,
15296,	15301,	16409,	16410,	18238,	18239,
15306,	15315,	16432,	16516,	18240,	18253,
15323,	15345,	16522,	16523,	18254,	18255,
15348,	15349,	16524,	16545,	18256,	18257,
15350,	15351,	16546,	16547,	18258,	18259,
15360,	15362,	16548,	16553,	18260,	18261,
15363,	15364,	16554,	16555,	18262,	18263,
15365,	15534,	16556,	16580,	18338,	18401,
15598,	15688,	16581,	16582,	18406,	18567,
15759,	15765,	16583,	16584,	18584,	18672,
15777,	15801,	16589,	16590,	18709,	18772,
15808,	15838,	16591,	16592,	18787,	18797,
15844,	15860,	16616,	16881,	18799,	18828,
15892,	15928,	16882,	16888,	18986,	19004,
15929,	15930,	16889,	16891,	19005,	19089,
15934,	15943,	16900,	16901,	19098,	19116,
15952,	15969,	16902,	16962,	19119,	19122,
15970,	15975,	16988,	16989,	19147,	19150,
15976,	15977,	16990,	16991,	19153,	19170,
15978,	15981,	16992,	17005,	19173,	19176,
15984,	15988,	17006,	17007,	19187,	19190,



19193,	19204,	20988,	20992,	2435, 2439, 2470,
19207,	19210,	21027,	21074,	2475, 2556, 3888,
19219,	19221,	21411, 21412, 21413		3912, 4244, 4249,
19224,	19227,	\remainx	15061	4269, 4282, 4304,
19236,	19238,	\remainxox	15096, 15103	4315, 4443, 4452,
19241,	19244,	\remainxoxx		4493, 4611, 4614,
19255,	19258,	15106, 15115, 15124		4615, 4619, 4620,
19261,	19273,	\remainxx .	15064, 15066	4772, 4773, 5122,
19276,	19279,	\remainxxx		5123, 5124, 5125,
19292,	19295,	. 15069, 15071,		5126, 5127, 5128,
19298,	19312,	15073, 15098, 15101		5129, 5130, 5184,
19315,	19318,	\remainxxxx .	15076,	5299, 5308, 5329,
19330,	19345,	15078, 15080,		5347, 5365, 5480,
19347,	19350,	15082, 15108,		5481, 5482, 5564,
19353,	19367,	15110, 15113,		5573, 5625, 5633,
19397,	19398,	15117, 15120, 15122		5657, 5662, 5673,
19399,	19528,	\remainxxxxx		5674, 5675, 5676,
19549,	19636,	. 15085, 15087,		5677, 5678, 5679,
19662,	19674,	15089, 15091, 15093		5745, 5750, 5752,
19676,	19682,	\remove@strip	14571,	5753, 5770, 5771,
19699,	19703,	14601, 14671, 14701		5772, 5773, 5830,
19715,	19717,	\renewcommand . . .	19,	5831, 5832, 5834,
19723,	19732,	20, 21, 22, 86,		5838, 5839, 5840,
19734,	19796,	168, 214, 215,		5844, 5845, 5851,
19810,	19844,	216, 217, 289,		5855, 5856, 5857,
19851,	19857,	329, 405, 444,		5861, 5862, 5867,
19918,	19977,	446, 500, 517,		5871, 5872, 5873,
19980,	19984,	531, 535, 539,		5882, 5883, 5884,
19990,	20035,	540, 541, 542,		5888, 5889, 5911,
20071,	20079,	574, 614, 636,		5935, 5997, 6010,
20080,	20082,	652, 670, 678,		6015, 6023, 6409,
20083,	20096,	691, 693, 694,		6413, 6429, 6445,
20107,	20111,	695, 696, 709,		6453, 6467, 6487,
20116,	20121,	715, 721, 727,		6493, 6499, 6504,
20129,	20133,	728, 738, 795,		6505, 6506, 6507,
20142,	20143,	797, 863, 880,		6508, 6509, 6511,
20154,	20162,	893, 896, 914,		6513, 6515, 6525,
20173,	20179,	921, 947, 948,		6586, 6590, 6606,
20183,	20187,	949, 950, 951,		6622, 6630, 6644,
20204,	20208,	956, 972, 979,		6646, 6652, 6675,
20257,	20258,	980, 990, 1047,		6681, 6682, 6683,
20261,	20309,	1049, 1115, 1119,		6684, 6685, 6686,
20317,	20458,	1135, 1153, 1162,		6688, 6690, 6692,
20541,	20590,	1175, 1195, 1201,		6702, 6798, 6837,
20605,	20698,	1206, 1207, 1208,		6839, 6893, 6908,
20755,	20767,	1209, 1222, 1229,		6923, 6927, 6931,
20818,	20898,	1230, 1240, 1297,		6933, 6935, 6937,
20901,	20903,	1299, 1968, 1970,		6938, 6939, 6940,
20955,	20956,	2342, 2343, 2344,		6941, 6942, 6965,
20959,	20979,	2380, 2381, 2386,		6984, 7049, 7054,



7076, 7083, 7093,	12973,	12974,	16300,	16306,
7177, 7182, 7192,	12975,	12998,	16312,	16317,
7215, 7238, 7261,	13002,	13015,	16323,	16331,
7288, 7304, 7765,	13019,	13028,	16372,	16374,
7805, 7806, 7807,	13029,	13030,	16431,	16445,
7808, 7809, 7810,	13031,	13662,	16460,	16463,
7811, 7812, 7826,	14393,	14404,	16467,	16471,
7831, 7863, 7897,	14427,	14428,	16473,	16475,
7898, 7899, 7900,	14429,	14430,	16477,	16478,
7901, 7902, 7903,	14431,	14432,	16479,	16480,
7904, 7914, 7926,	14433,	14434,	16481,	16494,
8114, 8115, 8116,	14436,	14438,	16520,	16559,
8238, 8241, 8245,	14440,	14442,	16561,	16615,
8261, 8414, 8415,	14443,	14445,	16630,	16645,
8442, 8456, 8508,	14446,	14453,	16649,	16653,
8514, 8518, 8523,	14454,	14456,	16655,	16657,
8558, 8560, 8610,	14462,	14463,	16659,	16660,
8611, 8612, 8613,	15059,	15062,	16661,	16662,
8616, 8655, 8657,	15067,	15074,	16663,	16664,
8711, 8725, 8727,	15083,	15094,	16697,	16841,
8729, 8731, 8732,	15099,	15104,	16845,	16849,
8733, 8734, 8735,	15111,	15118,	16853,	16879,
8736, 8760, 8779,	15135,	15137,	16886,	16893,
8789, 8802, 8813,	15154,	15196,	16906,	16908,
8817, 8887, 8901,	15217,	15293,	16970,	16972,
8915, 8929, 8940,	15302,	15674,	17017,	17062,
8951, 10546,	15677,	15686,	17063,	17064,
10561, 10596,	15690,	15703,	17067,	17068,
10600, 10616,	15716,	15729,	17082,	17107,
10623, 10658,	15741,	15805,	17136,	17141,
10660, 10710,	15827,	15843,	17146,	17147,
10711, 10712,	15859,	15867,	17148,	17149,
10713, 10714,	15881,	15883,	17152,	17225,
10715, 10717,	15889,	15906,	17243,	17265,
10719, 10844,	15912,	15913,	17267,	17288,
10854, 10874,	15914,	15915,	17290,	17292,
10883, 10988,	15916,	15917,	17295,	17301,
11007, 11009,	15919,	15921,	17310,	17312,
11011, 11013,	15924,	15925,	17314,	17320,
11014, 11015,	15935,	15992,	17390,	17394,
11016, 11017,	15994,	16061,	17398,	17402,
11018, 11020,	16062,	16074,	17428,	17435,
11022, 11024,	16133,	16135,	17442,	17455,
11026, 11027,	16199,	16215,	17457,	17519,
11028, 11029,	16231,	16239,	17521,	17566,
11030, 11031,	16253,	16255,	17610,	17611,
11032, 11042,	16277,	16278,	17619,	17620,
11111, 11378,	16279,	16280,	17623,	17624,
11925, 11935,	16281,	16282,	17627,	17635,
12915, 12972,	16284,	16286,	17643,	17662,



17687,	17716,	20012,	20016,	7579, 7637, 7647,
17721,	17726,	20020,	20034,	10166, 10175,
17727,	17728,	20039,	20041,	13114, 15432,
17729,	17732,	20044,	20048,	15479, 15490,
17805,	17823,	20051,	20057,	15501, 15529, 18811
17845,	17847,	20177,	20284,	\RequirePackage 1544,
17868,	17870,	20306,	20324,	1546, 1547, 1548,
17872,	17875,	20346,	20358,	1549, 1550, 1780,
17881,	17889,	20394,	20873,	1993, 1994, 2352,
17891,	17894,	20874,	21105,	2353, 2354, 2355,
17900,	17976,	21106,	21107,	2362, 2363, 2378,
18089,	18093,	21417,	21459,	2431, 4091, 4092,
18097,	18101,	21461,	21462,	4108, 4152, 4153,
18127,	18134,	21463,	21515,	4156, 4408, 4470,
18141,	18154,	21517,	21519,	4472, 4479, 4500,
18156,	18218,	21521,	21525,	4504, 4540, 4541,
18220,	18265,	21527, 21531, 21533		4764, 4974, 4975,
18309,	18310,	\RenewDocumentCommand		4976, 4977, 5181,
18314,	18315,	.... 13995, 14328		5182, 5297, 5516,
18318,	18319,	\renewenvironment 83,		5691, 5702, 5754,
18322,	18326,	286, 562, 583,		5780, 5788, 5805,
18330,	18345,	599, 619, 626,		5960, 5961, 5962,
18370,	18399,	697, 848, 926,		5963, 5964, 5965,
18404,	18409,	933, 960, 1100,		5984, 5985, 5986,
18410,	18411,	1178, 1185, 1210,		5987, 5988, 5989,
18412,	18415,	4714, 4717, 4720,		21451, 21454,
18488,	18506,	4723, 5721, 5731,		21455, 21456, 21507
18528,	18530,	5739, 5755, 5966,		\RequireXeTeX 1545, 1855
18551,	18553,	6394, 6469, 6475,		\reserved@a .. 2259,
18555,	18558,	6571, 6657, 6663,		2263, 2269, 2272,
18564,	18572,	6781, 6972, 7034,		2275, 2278, 2699,
18574,	18577,	7055, 7189, 8496,		2703, 2974, 2975,
18583,	18659,	8767, 10604,		2976, 4093, 4101,
18662,	18935,	10861, 11395,		4111, 4113, 4120,
18964,	18970,	14544, 15126,		4122, 4127, 4129,
19002,	19015,	15233, 15790,		4130, 4133, 4136,
19029,	19040,	15810, 15817,		4172, 4173, 4174,
19096,	19143,	15894, 16045,		4176, 4183, 4186,
19162,	19184,	16260, 16267,		4211, 4212, 4232,
19201,	19218,	16288, 16482,		4234, 4238, 4245,
19235,	19252,	16504, 16685,		4247, 4326,
19270,	19288,	17071, 17651,		4327, 19688,
19289,	19308,	18334, 19016,		19689, 19692,
19309,	19328,	19019, 19045, 20737		19693, 20173, 20174
19396,	19670,	\renewrobustcmd ...		\reserved@b .. 2239,
19692,	19969,	13764, 13790, 13801		2240, 2699, 2703,
19971,	19973,	\renewtagform ... 13732		2704, 4083, 4084,
19989,	19996,	\repeat 1774,		4112, 4170, 4172,
19998,	20000,	1775, 3722, 3729,		4189, 4206, 4207,
20003,	20007,	7303, 7465, 7471,		4212, 4217, 4219,



4220, 4222,	\restore@protect . 2989	527, 617, 630,
4225, 4245, 4247	\restoreCaptionSkip	641, 642, 647,
\reserved@c .....	..... 12060	658, 683, 686,
... 4185, 4188,	\restorecounters@ 8341	687, 868, 869,
4189, 4193, 4204,	\restylefloat 4964	875, 885, 888,
4217, 4231, 4235	\resumename 2432	889, 902, 924,
\reserved@d	\righskip 19398	1118, 1124, 1125,
... 2698, 2703,	\right 20725, 20734, 20736	1130, 1141, 1167,
4205, 4224, 4237	\right@cor .. 14573,	1170, 1171, 1189,
\reset@dir 15598, 20698	14574, 14673, 14674	5645, 5652, 5653,
\reset@font 37,	\right@footnoterule	6223, 6412, 6418,
51, 67, 240, 254,	..... 26,	6419, 6424, 6435,
269, 5017, 5061,	230, 407, 535,	6458, 6461, 6462,
5105, 5333, 5334,	721, 731, 956,	6589, 6595, 6596,
5351, 5352, 5369,	983, 1201, 1233,	6601, 6612, 6635,
5370, 8891, 8905,	6499, 6518, 6652,	6638, 6639, 6899,
8919, 8933, 8944,	6695, 6800, 6927,	6914, 6917, 6918,
8955, 9184, 9194,	8518, 8525, 8618,	7050, 7051, 7052,
9204, 9230, 9242,	8817, 10600,	7178, 7179, 7185,
9255, 9293, 9302,	10625, 11127,	8448, 8451, 8452,
9311, 9336, 9347,	11141, 11151,	8462, 8716, 9133,
9359, 9396, 9406,	11274, 11302,	10458, 10467,
9416, 9442, 9454,	12941, 13019,	10552, 10567,
9467, 9505, 9515,	14955, 15889,	10570, 10571,
9525, 9551, 9563,	15928, 16065,	12965, 12966,
9576, 9614, 9624,	16312, 16325,	13754, 14427,
9634, 9660, 9672,	16467, 16522,	14428, 14791,
9685, 9723, 9733,	16649, 16886,	14795, 14796,
9743, 9769, 9781,	16900, 17141,	14803, 14808,
9794, 9832, 9842,	17435, 17449,	14815, 14820,
9852, 9878, 9890,	17721, 18001,	15695, 15697,
9903, 9941, 9951,	18134, 18148, 18404	15708, 15710,
9961, 9987, 9999,	\rightfootnoterule	15721, 15723,
10012, 10050,	..... 1689,	15732, 15734,
10060, 10070,	7955, 8859,	15808, 15821,
10096, 10108,	11139, 11786, 21413	15832, 15833,
10121, 10316,	\rightline .. 15631,	15838, 15849,
10328, 10340,	20883, 20887, 20889	15872, 15875,
10377, 10391,	\rightlinenumbers .	15876, 16204,
10405, 10949,	.... 13187, 13195	16205, 16210,
11214, 11215,	\rightmargin	16221, 16244,
11231, 11232,	.... 941, 5707,	16247, 16248,
11247, 11248,	5726, 5734, 5740,	16258, 16271,
11277, 11278,	11532, 11536,	16320, 16436,
11291, 11292,	15684, 20760,	16451, 16454,
11305, 11306,	20771, 20777,	16455, 16460,
21200, 21244, 21344	20783, 20791, 20795	16461, 16621,
\ResetCounterPerPage	\rightskip 12, 13, 207,	16636, 16639,
..... 1781, 2569	208, 305, 309,	16640, 18939,
\resizebox 11879	506, 523, 526,	18944, 18955,



18968,	18972,	16562,	16908,	\rsb	2041, 2050
18992,	18995,	16972,	17457,	\RTL .	15581, 20673, 20675
19000,	19004,	17521,	18156,	\RTL@column@boxes .	
19005,	19116,	18220, 18700, 20708			14873, 14903, 14908
19117,	19118,	\RLE 1593, 1873, 12809,		\RTL@outputdblcol .	
19126,	19147,	15588, 15589,		. .	7327, 10767,
19148,	19149,	15593, 20311,			11613, 14550,
19157,	19170,	20688, 20689, 20693			21014, 21105, 21106
19171,	19172,	\rmfamily	727,	\RTLbidituftesidenotemarginpar	
19180,	19187,	979, 1229, 5535,		. .	5066, 5366, 5507
19188,	19189,	5588, 5591, 5595,		\RTLcases .	20735, 20738
19197,	19204,	5598, 5602, 5605,		\RTLcite	5293,
19205,	19206,	5609, 5612, 5616,			5413, 5442, 5471,
19214,	19221,	5619, 15924, 16061			5493, 5502, 5511
19222,	19223,	\romannumeral .	3768,	\RTLcolumnfootnotes	
19231,	19238,	3769, 6252, 6315,		. . . . .	8980
19239,	19240,	8349, 8352, 8398,		\RTLdblcol	21106
19248,	19255,	10990, 10991,		\RTLdfnmakecol . . .	8115
19256,	19257,	10992, 10993,		\RTLfootfootmark . .	
19265,	19273,	10995, 10996,		. . . . .	8877,
19274,	19275,	10997, 10998,			9020, 9225,
19283,	19292,	10999, 11002,			9331, 9437, 9546,
19293,	19294,	11003, 11004, 20763			9655, 9764, 9873,
19302,	19312,	\rot@float@box 16714,			9982, 10091, 10360
19313,	19314,	16715, 16716,		\RTLfootmarkstyle .	
19322,	19347,	16730, 16739,		. . . . .	8995, 9034
19348,	19349,	16757, 16758,		\RTLfootnote . . .	412,
19357,	19397,	16759, 16760,			486, 2129, 2142,
19399,	20077,	16761, 16777, 16788			5482, 5832, 6805,
20139,	20140,	\rot@label 16710, 16753			6879, 8623, 8697,
20141,	20147,	\rot@LR . . .	16721, 16766		11184, 16070,
20150,	20197,	\rot@mess@toks 16713,			16176, 16330,
20257,	20262,	16725, 16735,			16418, 16527,
20285,	20292,	16744, 16756,			16601, 16905,
20661,	20662,	16771, 16783, 16793			17021, 17454,
20868,	20895,	\rot@message 16744, 16793			17570, 18153, 18269
20896, 20955, 20960		\rot@pageref 16711, 16754		\RTLfootnotetext . .	
\RL .	12810, 15588, 20688	\rotate	16807	. . . . .	2197,
\rlap	306,	\rotatebox			2208, 6265,
	447, 798, 1300,	. .	11033, 11992,		6275, 11363,
	1971, 6840, 8561,		12041, 12254,		11366, 12479,
	8658, 10661,		13821, 13829,		13694, 18860, 18864
	10756, 10762,		14351, 16730,	\RTLfootscript 8995,	
	11384, 11817,		16739, 16777, 16788		9023, 9027, 9029
	11863, 11929,	\rotateframe 10995, 11032		\RTLfoottextfont . .	
	11930, 11943,	\rotFPbot . . .	16731,	. . . . .	8878,
	11944, 12999,		16738, 16778, 16787		8906, 8956, 9074,
	14849, 15617,	\rotFPtop . . .	16729,		9204, 9225, 9255,
	15995, 16136,		16740, 16776, 16789		9311, 9331, 9359,
	16333, 16376,	\rrb	2042, 2052		9416, 9437, 9467,



9525, 9546, 9576, 9634, 9655, 9685, 9743, 9764, 9794, 9852, 9873, 9903, 9961, 9982, 10012, 10070, 10091, 10121, 10340, 10360, 10405	\saved@dir . 15597, 15598, 20697, 20698	17850, 17852, 18531, 18533, 18535
\RTLmarginnote ... 5504	\sbox ... 8421, 12023, 12040, 13041, 13049, 13094, 13240, 13653, 13820, 13828, 14020, 14307, 14346, 14351, 14464, 14479, 14511, 15234, 17162, 17176, 17216, 17742, 17756, 17796, 18425, 18439, 18479, 18954, 18971, 19713, 21394	\scr@caption@before@longtable@warning 17240, 17820, 18503
\RTLmarginpar ... 21205	\sc@temp ... 18020, 18021, 18026, 18027, 18032, 18033, 18038, 18039, 18044, 18045, 18050, 18051, 18056, 18057, 18062, 18063, 18068, 18069	\scr@compatibility 17612, 17628, 17636, 17644
\RTLmulticolcolumns 14901	\SC@FLOAT 18659, 21515, 21519, 21525, 21527, 21531, 21533	\scr@dte@current 19792, 19795
\RTLsidenote . 5236, 5478	\SC@justify@caption . 18662, 21517, 21521, 21526, 21528, 21532, 21534	\scr@dte@def@l@targettocline 19559
\RTLthanks 412, 432, 467, 486, 5832, 5840, 5857, 5873, 5884, 6805, 6825, 6860, 6879, 8623, 8643, 8678, 8697, 11361, 14397, 16070, 16110, 16156, 16176, 16330, 16360, 16400, 16418, 16527, 16547, 16582, 16601, 16905, 16990, 17021, 17454, 17539, 17570, 18153, 18238, 18269	\sc@temp 18018, 18020, 18024, 18026, 18030, 18032, 18036, 18038, 18042, 18044, 18048, 18050, 18054, 18056, 18060, 18062, 18066, 18068, 18078, 18080	\scr@dte@def@l@undottedtocline 19761
\rtside 15462, 15464, 15475, 15477, 15498, 15500	\sc@wm@text 8239	\scr@dte@def@l@undottedtocline 19402
\rule . 46, 60, 76, 249, 263, 278, 2480, 7819, 8430, 8434, 8437, 8872, 8878, 8884, 11225, 11242, 11258, 11285, 11299, 11313, 14002, 15668	\scalebox 11877	\scr@dte@donumwidth 19996, 19997
S	\scantokens . 3125, 3145	\scr@dte@targettocline@init 19560
\s 13851, 13852	\scr@caption 17268, 17270, 17272, 17848,	\scr@dte@nosub 19808, 19810, 19840, 19841, 19843, 19848, 19850, 19855, 19856, 19914, 19916
\save@dir . 15597, 20697		\scr@dte@numberline@box 19711, 19738
\savebox 8355, 11989, 11991, 12071		\scr@dte@tocline 19670, 20053
\saveCaptionSkip 12021		\scr@dte@tocline@init 19762
\savecounters@ ... 8338		\scr@dte@tocline@numberwidth 19714, 19716, 19718, 19721
		\scr@dte@tocline@numbox 19713, 19715, 19729
		\scr@dte@undottedtocline@init 19403
		\scr@ifundefinedorrelax . 19437, 19485, 19530, 19592, 19638, 19662, 19701, 19806, 19808, 19837, 19840, 19841, 19848, 19871, 19911, 19912, 19914, 19930, 19983, 20010, 20029



\scr@LT@array	12819, 17265, 17266, 17278, 17845, 17846, 17858, 18528, 18529, 18541	\SectFont	..... 622, 631, 929, 937, 1181, 1190, 6472, 6660, 15813, 15822, 16263, 16272	\SetBoolean	..... 2742
\scr@parindent	.... 17377, 17966, 18649	\sectfont	..... 15678	\setboolean	.. 4414, 4415, 4417, 4419, 4424, 4425, 4429, 4430, 4501, 4505, 4508, 4513, 4515, 4519, 4521, 4899, 5523, 5524, 5525, 5782, 5783, 5784, 5809, 5810
\scr@samed@footnotetext	..... 16838, 16842, 17387, 17391, 18086, 18090	\section	..... 563, 591, 607, 622, 628, 631, 698, 856, 929, 935, 937, 961, 1108, 1181, 1187, 1190, 1211, 2476, 2542, 5537, 5559, 5627, 5635, 5750, 5753, 5757, 6472, 6660, 8497, 15813, 15819, 15822, 16263, 16269, 16272	\setbox	..... 380, 1406, 1408, 1409, 1465, 1619, 1891, 2291, 4945, 5001, 5004, 5045, 5048, 5089, 5092, 6151, 6162, 6368, 6382, 7008, 7035, 7040, 7072, 7107, 7136, 7291, 7292, 7296, 7299, 7309, 7313, 7316, 7320, 7330, 7333, 7334, 7348, 7365, 7381, 7393, 7396, 7397, 7411, 7424, 7440, 7461, 7462, 7467, 7468, 7473, 7476, 7499, 7507, 7517, 7568, 7582, 7586, 7596, 7601, 7610, 7612, 7627, 7628, 7639, 7640, 7652, 7653, 7673, 7681, 7691, 7739, 7963, 7971, 7972, 7976, 7984, 7992, 7993, 7997, 8012, 8015, 8020, 8024, 8032, 8069, 8072, 8077, 8081, 8086, 8930, 8941, 8952, 9044, 9150, 9155, 9162, 9227, 9239, 9252, 9333, 9344, 9356, 9439, 9451, 9464, 9548, 9560, 9573, 9657, 9669, 9682, 9766, 9778, 9791, 9875, 9887, 9900, 9984,
\scr@samed@LTRfootnotetext	. 16836, 16839, 16846, 17385, 17388, 17395, 18084, 18087, 18094	\sectionbib	.... 19040		
\scr@samed@RTLfootnotetext	. 16837, 16840, 16850, 17386, 17389, 17399, 18085, 18088, 18098	\sectionfont	.. 2416, 2424, 7810, 7903		
\scr@smashdp	. 17184, 17198, 17199, 17217, 17764, 17778, 17779, 17797, 18447, 18461, 18462, 18480	\sectionstyle	2424, 2482		
\scr@tmp@footnotetext	. 17156, 17167, 17168, 17736, 17747, 17748, 18419, 18430, 18431	\sectiontitlecolour	... 2407, 7772, 7780, 7787, 7794, 7801, 7871, 7877, 7883, 7889, 7895		
\scr@tmp@LTRfootnotetext	. 17158, 17169, 17170, 17738, 17749, 17750, 18421, 18432, 18433	\selectfont	... 340, 2930, 5898, 5900, 5902, 15247, 15260		
\scr@tmp@RTLfootnotetext	. 17160, 17171, 17172, 17740, 17751, 17752, 18423, 18434, 18435	\separatorcolumnwidth	..... 2447, 2448, 2459, 2465, 2481, 2486, 2492, 2550, 7917, 7947		
\scriptsize	.. 5673, 18019, 18025, 18031, 18037, 18043, 18049, 18055, 18061, 18067	\SepMark	.. 20747, 20748		
\scshape	..... 6753	\seq	..... 14083, 14084, 15281, 15284		
\secshape	. 16419, 16460	\set@color	... 7136, 7141, 7149, 7155, 7163, 7170, 7175, 11391, 20510, 20514, 20610		
		\set@typeset@protect	..... 10944, 10948, 18747, 20930, 21316, 21318		
		\SetatBoolean	.... 2758		
		\setbaselineskip	. 2928		



9996,	10009,	15406,	15420,	464,	739,	771,
10093,	10105,	15423,	15442,	815,	991,	1023,
10118,	10140,	15443,	15449,	1067,	1241,	1273,
10141,	10148,	15450,	15461,	1317,	1978,	5201,
10160,	10163,	15463,	15465,	5220,	5239,	5271,
10165,	10169,	15467,	15470,	5521,	6033,	6311,
10172,	10174,	15472,	15474,	6526,	6558,	6703,
10176,	10320,	15476,	15486,	6735,	6822,	6857,
10332,	10344,	15488,	15497,	8545,	8578,	8640,
10362,	10381,	15499,	15514,	8675,	10645,	
10387,	10395,	15516,	15524,	10678,	10974,	
10401,	10409,	15526,	15535,	13026,	13027,	
10419,	10429,	15616,	15617,	14425,	15199,	
10439,	10448,	15647,	15665,	15220,	15936,	
10478,	10486,	16799,	16809,	15968,	16012,	
10501,	10517,	16820,	16827,	16075,	16107,	
10528,	10740,	17182,	17762,	16153,	16357,	
10770,	10773,	18019,	18025,	16397,	16544,	
10786,	10806,	18031,	18037,	16579,	16896,	
10809,	10823,	18043,	18049,	16987,	17100,	
10874,	10914,	18055,	18061,	17173,	17174,	
10919,	11275,	18067,	18445,	17445,	17536,	
11289,	11303,	18688,	18736,	17680,	17753,	
11322,	11446,	18777,	18827,	17754,	18144,	
11455,	11459,	18897,	20215,	18235,	18363,	
11483,	11497,	20218,	20223,	18436,	18437,	19340
11567,	11574,	20227,	20231,	\setdefaultbibitems		
11575,	11591,	20235,	20239,	..... 20752		
11616,	11623,	20243,	20247,	\setdefaultmarginpar		
11624,	11640,	20251,	20502,	..... 21295		
11691,	11703,	20510,	20615,	\setDefaults 11978		
11737,	11739,	20667,	20677,	\setfloatalignment 4573		
11750,	11775,	20707,	20708,	\setfootnoteLR .. 11206		
11800,	11809,	20892,	20918,	\setfootnoteRL .. 11204		
11816,	11817,	21017,	21020,	\setkeys . 1649, 6999,		
11862,	11863,	21021,	21035,	7016, 8319, 8325,		
13632,	13641,	21064,	21067,	8327, 11808,		
13703,	13708,	21068,	21082,	11852, 11980,		
13711,	13720,	21111,	21113,	13040, 13078,		
13740,	13772,	21127,	21129,	15240, 15299,		
13778,	14553,	21140,	21184,	16718, 16763, 20395		
14556,	14557,	21187,	21228,	\setlatin 1555		
14579,	14584,	21231,	21259,	\setlength 504,		
14594,	14612,	21273, 21291, 21357		521, 657, 681,		
14617,	14653,	\setcaptionfont .. 4493		883, 901, 938,		
14656,	14657,	\setcaptionwidth 13666		939, 940, 941,		
14679,	14684,	\setchapterpreamble		942, 1140, 1165,		
14694,	14712,	.... 17656, 18339		2116, 2117, 2118,		
14717,	14748,	\setcitationfont . 5128		2320, 2321, 2323,		
14829,	14845,	\setcounter ... 429,		2324, 2326, 2327,		



2329, 2330, 2332,	17404,	17759,	\setSingleSpace ...
2333, 2335, 2336,	17785,	18103,	..... 8982, 8987
2338, 2339, 2340,	18442,	18468,	\setSpace@singleSpace
2345, 2346, 2384,	18943,	18944,	.. 5332, 5350, 5368
2385, 2387, 2388,	18992,	18993,	\setthesection .. 14442
2389, 2390, 2448,	18995,	19364,	\settodepth 15235
2457, 2458, 2461,	19368,	19369,	\settoheight 8298, 15236
2463, 2466, 2467,	19371,	19372,	\settowidth 89, 292,
2469, 2472, 2538,	19374,	19375,	568, 703, 966,
2548, 2549, 2550,	19377,	19378,	1216, 2452, 6481,
4438, 4465, 4466,	19380,	19381,	6669, 6978, 7908,
4467, 4468, 4489,	19541,	19649,	8343, 8502, 8773,
4495, 4496, 4529,	19994, 20816, 20819		10610, 12918,
4532, 4536, 4582,	\setLR 15623, 20716		13121, 15238,
4634, 4635, 5136,	\setLTR 15584,		15900, 16294,
5137, 5138, 5139,	15585, 15598,		16488, 16691,
5145, 5387, 5680,	15623, 15624,		17093, 17673,
5681, 5682, 5683,	20684, 20685,		18018, 18024,
5684, 5685, 5686,	20698, 20716, 20717		18030, 18036,
5687, 5689, 5690,	\setLTRbibitems . 20751		18042, 18048,
5692, 5695, 5696,	\setLTRcitationfont		18054, 18060,
5697, 5698, 5915,	..... 5129		18066, 18356,
5916, 6434, 6456,	\setLTRmarginnotefont		19023, 20180, 20182
6611, 6633, 6897,	..... 5126		\setupL@lbox 13073, 13080
6912, 7183, 7906,	\setLTRmarginpar 21294		\Setversedim
7910, 7912, 7915,	\setLTRsidenotefont		.. 6046, 6050, 6076
8301, 8446, 8461,	..... 5123		\SetWatermarkText 8238
9036, 9039,	\setLTRtable 1561		\sevendcolumnfootnotes
9076, 10551,	\setmarginnotefont 5125		..... 9703
10565, 11320,	\setnonlatin 1556		\sf ... 18019, 18025,
11794, 11902,	\setparsizes . 16913,		18031, 18037,
11903, 11909,	17025, 17462,		18043, 18049,
11910, 11912,	17574, 18161, 18273		18055, 18061, 18067
11913, 11982,	\setRL 15622, 20715		\sf@size 12949
11983, 11995,	\setRTL 15583, 15586,		\sfcode 93, 296,
11999, 12001,	15598, 15622,		579, 711, 974,
12003, 12007,	20337, 20377,		1224, 6489, 6677,
12009, 13032,	20411, 20683,		6989, 8510, 8784,
13033, 13034,	20686, 20698, 20715		10618, 12922,
13035, 13074,	\setRTLbibitems . 20750		15140, 15908,
13081, 13082,	\setRTLcitationfont		16302, 16499,
13083, 13095,	..... 5130		16702, 17110,
13096, 13119,	\setRTLmain 1863		17690, 18373, 19034
13124, 13127,	\setRTLmarginnotefont		\sh@wgridXunit .. 15636
13687, 15239,	..... 5127		\sh@wgridYunit .. 15636
15848, 15870,	\setRTLmarginpar 21293		\shadowbox 8415
16220, 16242,	\setRTLsidenotefont		\shadowsize .. 8425,
16449, 16619,	..... 5124		8429, 8430,
16634, 16855,	\setRTLtable 1560		8433, 8434, 8437
17179, 17205,	\setsidenotefont . 5122		



<code>\shipout</code>	10944,	<code>\skip@</code>	311, 312	<code>\SOUL@eventuallyexhyphen</code>	
	11714, 11724, 21315	<code>\sloppy</code>	42,		18671
<code>\shortauthors</code>			56, 72, 92, 245,	<code>\SOUL@grave</code>	18683
	. 115, 116, 121,		259, 274, 295,	<code>\SOUL@ignorespacesfalse</code>	
	12981, 12982, 12987		575, 710, 973,		18675
<code>\shortcite</code>	15142		1223, 2557, 6488,	<code>\SOUL@lasttoken</code> .	18678
<code>\shorttitle</code>			6676, 6985, 8509,	<code>\SOUL@lowerthan</code> .	18668
	. 114, 115, 121,		8780, 10617,	<code>\SOUL@minus</code>	18680
	12980, 12981, 12987		11552, 12921,	<code>\SOUL@postamble</code> .	18685
<code>\showbox</code>	11520		13757, 15139,	<code>\SOUL@preamble</code> . .	18677
<code>\showgridps</code>	15635		15758, 15907,	<code>\SOUL@soeventuallyskip</code>	
<code>\showoutput</code>	11520		16301, 16495,		18672
<code>\sidecaptionsep</code> . . .			16698, 17109,	<code>\SOUL@spaceskip</code> .	18673
	. . . . . 18660,		17689, 18372, 19030	<code>\SOUL@start</code>	18666
	18661, 21516,	<code>\slshape</code> . .	648, 876,	<code>\SOUL@ulcolor</code> 18697,	
	21520, 21525,		1131, 2504, 6425,	18703, 18709, 18717	
	21527, 21531, 21533		6602, 7808, 7809,	<code>\SOUL@uldp</code>	18709
<code>\sidenote</code> 5198, 5252,			7899, 7900, 7902,	<code>\SOUL@uleveryspace</code>	
5290, 5385, 5476			15839, 16211, 16425		18711
<code>\sidenotes</code>	5295	<code>\small</code>	406,	<code>\SOUL@ulht</code>	18709
<code>\sideways</code>	16825		631, 730, 937,	<code>\SOUL@ulleaders</code> . . .	
<code>\sigindent</code>	18079		982, 1190, 1232,	18697, 18703, 18719	
<code>\sixcolumnfootnotes</code>			2003, 2418, 2508,	<code>\SOUL@uloverlap</code> .	18690
	. . . . . 9594		2513, 2543, 5662,	<code>\SOUL@ulunderline</code> 18687	
<code>\sxt@n</code>	2258, 2280		5663, 5728, 5736,	<code>\SOUL@word</code>	18679
<code>\size@chapter</code> . . .	15678		5741, 5760, 6517,	<code>\soulomit</code>	18670
<code>\skip</code>	1598,		6694, 6799, 8524,	<code>\space</code> . . . 1497, 3111,	
	1878, 6239, 6240,		8617, 10624,	3254, 3363, 3377,	
	8017, 8074, 9064,		15822, 15927,	3391, 3403, 4086,	
	9089, 9097, 9105,		16064, 16272,	4273, 4275, 4286,	
	9119, 9135, 9138,		16324, 16521,	4288, 4291, 4754,	
	9143, 10226,		16899, 17448, 18147	4759, 4760, 4893,	
	10228, 10230,	<code>\smallcaps</code>		4894, 6753, 6948,	
	10232, 10288,		. . 6016, 6017, 6018	7464, 7470, 7633,	
	10290, 10292,	<code>\smallskip</code>		7641, 7642, 8742,	
	10294, 10460,		. 15061, 15066,	10580, 11420,	
	10469, 10492,		15073, 15082,	11428, 11429,	
	10505, 11338,		15093, 15098,	11453, 11461,	
	11557, 11558,		15103, 15110,	13058, 13090,	
	11569, 11571,		15117, 15124, 15675	13091, 14128,	
	11618, 11620,	<code>\smash</code>	4690,	14835, 14837,	
	11674, 11679,		4695, 4706, 4707,	14838, 14839,	
	11742, 11753,		4710, 4711, 4918,	14840, 15006,	
	11760, 11794,		7966, 7987,	15013, 15643,	
	14962, 14968,		11384, 13155,	16669, 16712,	
	14972, 14977,		15620, 20711, 20713	16755, 16964,	
	14981, 15043,	<code>\SOUL@apo</code>	18682	17115, 17513,	
	15047, 15604,	<code>\SOUL@comma</code>	18681	17695, 18212,	
	15610, 21116,	<code>\SOUL@do</code>	18684	18378, 18847,	
	21132, 21143, 21151			18849, 18906,	



19731, 19733,	10029, 10132,	11550, 11884,
20299, 20982, 21264	10133, 10137,	11885, 15768,
\spacefactor . . 5311,	10138, 11217,	15769, 16964,
5316, 5322, 5325	11234, 11250,	17115, 17117,
\spaceskip 18715, 18720	11451, 11452, 15416	17123, 17513,
\speci@ls . 15024, 15031	\stepcounter	17695, 17697,
\special 1620,	. . . 3421, 3427,	17703, 18212,
1793, 1802, 1892,	3435, 3441, 5209,	18378, 18380,
1918, 1967,	5228, 5247, 5279,	18386, 18873,
15617, 18903,	5399, 5428, 5457,	20298, 20555,
18904, 18908,	6209, 10973,	20602, 20982, 21002
18909, 18911, 20708	11044, 11114,	\strip@prefix 3162, 3175
\spinemargin . 8248, 8252	11184, 11193,	\strip@pt 2833, 2929,
\split@prev	12645, 13599,	8187, 8190, 8195,
11163, 11171, 11176	15194, 15198,	8198, 10239, 10301
\splitbotmark . . . 11457	15215, 15219,	\stripsep 7382,
\splitfirstmark . . .	16709, 16752, 21387	7441, 7456, 7502,
. . . 7337, 7400,	\stopbreaks 8803, 18078	7511, 7521, 7566,
10776, 10812,	\str . . . 13840, 13891,	7676, 7685,
11456, 11578,	13963, 13981,	7695, 14588,
11627, 14560,	14043, 14067,	14590, 14597,
14660, 21024, 21071	14072, 14146,	14688, 14690,
\SplitFootnoteRule	14177, 14190,	14697, 14759,
. 1691, 11162	14212, 14266, 14298	14762, 14764, 14771
\splitfootnoterule	\stretch 1467,	\strut 46,
. 11166, 11174	1470, 7109, 7112	60, 76, 249, 263,
\splitmaxdepth	\string 352,	278, 2033, 8811,
. . . . 40, 54, 70,	1377, 1718, 1722,	9219, 9222, 9225,
243, 257, 272,	2600, 2636, 2642,	9325, 9328, 9331,
7331, 7394, 9081,	2714, 2716, 2734,	9431, 9434, 9437,
10771, 10807,	2735, 2738, 2739,	9540, 9543, 9546,
11218, 11235,	2916, 2956, 2957,	9649, 9652, 9655,
11251, 11572,	2963, 3111, 3141,	9758, 9761, 9764,
11621, 14554,	3162, 3165, 3192,	9867, 9870, 9873,
14654, 21018, 21065	3194, 3254, 3323,	9976, 9979, 9982,
\splittopskip	3369, 3370, 3383,	10085, 10088,
. . . . 40, 54, 70,	3384, 3395, 3396,	10091, 10352,
243, 257, 272,	3409, 3410, 3441,	10356, 10360,
9080, 9152, 9156,	3455, 3456, 3457,	13771, 17163,
9266, 9267, 9271,	3458, 3462, 4086,	17165, 17184,
9272, 9369, 9370,	4095, 4099, 4105,	17186, 17189,
9374, 9375, 9478,	4116, 4273, 4275,	17191, 17194,
9479, 9483, 9484,	4286, 4288, 4289,	17198, 17200,
9587, 9588, 9592,	4290, 4291, 4293,	17210, 17212,
9593, 9696, 9697,	4893, 4894, 7145,	17217, 17221,
9701, 9702, 9805,	7148, 7166,	17743, 17745,
9806, 9810, 9811,	7169, 10181,	17764, 17766,
9914, 9915, 9919,	10183, 11424,	17769, 17771,
9920, 10023,	11425, 11426,	17774, 17778,
10024, 10028,	11427, 11428,	17780, 17790,



17027, 17464,	5837, 5838, 5854,	6128, 6135, 6259,
17492, 17496,	5855, 5870, 5871,	6262, 6265, 6269,
17576, 18078,	5882, 6521, 6533,	6272, 6275, 6380,
18163, 18191,	6559, 6698, 6710,	6995, 7000, 7044,
18195, 18275,	6736, 6803, 6823,	7105, 7336, 7338,
21036, 21044,	6858, 6877, 8528,	7399, 7401, 7464,
21083, 21361, 21377	8546, 8579, 8596,	7470, 7471, 7472,
<code>\textwidth@footnoterule</code>	8621, 8641, 8676,	7604, 7614, 7633,
. 409, 733, 985,	8695, 10628,	7641, 7642, 7643,
1235, 6520, 6697,	10646, 10679,	7646, 7648, 7649,
6802, 8527, 8620,	10696, 14395,	7650, 10225,
10627, 11133,	15931, 15943,	10287, 10775,
11144, 14959,	15969, 15980,	10777, 10811,
15930, 16067,	15981, 15990,	10813, 11042,
16327, 16524,	16013, 16030,	11057, 11058,
16902, 17451, 18150	16068, 16082,	11061, 11062,
<code>\textwidthfootnoterule</code>	16108, 16121,	11065, 11118,
..... 1693,	16122, 16131,	11122, 11176,
7957, 8861,	16154, 16174,	11349, 11363,
11142, 11787, 21414	16328, 16358,	11413, 11420,
<code>\TeXXeTOff</code> 15532, 20613	16398, 16416,	11424, 11425,
<code>\TeXXeTOn</code> ... 15531,	16525, 16545,	11426, 11427,
15533, 20612, 20614	16580, 16599,	11428, 11429,
<code>\TeXXeTstate</code> . 15531,	16903, 16988,	11437, 11443,
15532, 20612, 20613	17019, 17452,	11450, 11451,
<code>\TF@conlab</code>	17537, 17568,	11453, 11458,
11380, 11382, 11389	18151, 18236, 18267	11460, 11461,
<code>\TF@savecolor</code>	<code>\thankses</code> 323	11475, 11501,
.... 11386, 11391	<code>\the</code> 124,	11531, 11532,
<code>\TF@Title</code> 11389	125, 1365, 1459,	11533, 11538,
<code>\thanklessauthor</code> ..	1460, 1462, 1463,	11539, 11540,
..... 5825,	1523, 1631, 1844,	11550, 11577,
5858, 5861, 5898	1903, 1943, 1945,	11579, 11626,
<code>\thanklesspublisher</code>	1948, 1950, 2189,	11628, 11854,
..... 5826,	2191, 2194, 2197,	11899, 12432,
5885, 5888, 5902	2202, 2205, 2208,	12440, 12441,
<code>\thanklesstitle</code> 5824,	2313, 2649, 2651,	12447, 12449,
5841, 5844, 5900	2652, 2673, 2675,	12478, 12479,
<code>\thanks</code> ... 323, 410,	2676, 3126, 3457,	12485, 12487,
430, 465, 484,	3552, 3607, 3635,	12518, 12520,
734, 746, 772,	3637, 3644, 3646,	12549, 12551,
783, 784, 793,	3648, 3650, 3651,	12580, 12582,
816, 833, 986,	3652, 3663, 3670,	12990, 12991,
998, 1024, 1035,	3672, 3677, 3681,	13088, 13090,
1036, 1045, 1068,	3682, 3687, 3692,	13134, 13136,
1085, 1236, 1248,	3700, 3703, 3707,	13141, 13143,
1274, 1285, 1286,	3713, 3797, 3798,	13149, 13151,
1295, 1318, 1336,	3799, 3824, 4339,	13156, 13691,
1979, 5824, 5825,	4346, 4375, 5166,	13694, 14256,
5826, 5827, 5830,	5176, 5311, 5322,	14559, 14561,



14572,	14589,	\thechapter . . . 308,	6686,	6931,
14596,	14602,	5533, 6504, 6510,	8725,	10715,
14659,	14661,	6512, 6514, 6681,	11007,	11020,
14672,	14689,	6687, 6689, 6691,	13000,	14443,
14696,	14702,	6753, 6932, 6934,	15917,	16286,
14772,	14835,	6936, 6937, 6938,	16471,	16653,
14837,	14838,	6948, 8726, 8728,	17643, 18330, 21407	
14839,	14840,	8730, 8731, 8732,	\thefigure . . . 6511,	
14841,	15133,	8742,	6688, 6933, 8727,	
15298,	15314,	10710,	10717,	11009,
15318,	15321,	10718,	11022,	14445,
15346,	15370,	11008,	15919,	16282,
15377,	15384,	11012,	16473,	16655,
15538,	15539,	11014,	17627, 18322, 18753	
16725,	16735,	11023,	\thefootdir@label .	
16744,	16771,	11026,	. 11042, 11045,	
16783,	16793,	13299,	11074,	11079,
17100,	17680,	14442,	11097, 11100, 11120	
18363,	18766,	14445,	\thefootnote . . . 446,	
18767,	18797,	15174,	738, 797, 990,	
18816,	18818,	15912,	1049, 1240, 1299,	
18842,	18847,	15920,	1970, 6525, 6702,	
18849,	18850,	16277,	6839, 8560, 8657,	
18853,	18854,	16285,	10660,	12332,
18857,	18860,	16472,	15935,	15994,
18861,	18864,	16476,	16074,	16135,
18972,	19729,	16654,	16331,	16374,
19732,	19734,	16658,	16561,	16906,
19810,	20081,	16660,	16970,	17455,
20084,	20085,	17613,	17519, 18154, 18218	
20087,	20089,	17629,	\thefootnotemark . .	
20093,	20098,	17637,	. . . . . 16878,	
20102,	20113,	17645,	17427, 17997, 18126	
20114,	20117,	18311,	\theHchapter 15174	
20123,	20127,	18327, 18331, 19056	\theHsection 15182, 15184	
20135,	20136,	\thecontentspage . .	\theindex 98, 218, 12928	
20173,	20189,	. . . 5591, 5598,	\thelstlisting 13270,	
20193,	20292,	5605, 5612, 5619	13275, 13298, 13301	
20455,	20467,	\thedate 5820, 5828, 5874	\thempfn 2214,	
20472,	20493,	\theenumiv . . 86, 89,	2222, 2230, 5400,	
20494,	20496,	289, 292, 574,	5406, 5429, 5435,	
20618,	20619,	709, 972, 1222,	5458, 5464, 6280,	
20763,	20820,	2556, 6487, 6675,	6287,	6294,
20988,	20990,	6984, 8508, 8779,	11185,	11190,
21002,	21023,	10616,	11194,	11199,
21025, 21070, 21072		12918,	11327,	11353,
\the@cornersize . . .		16300,	11358,	11368,
. . . . 10732, 10733		16697,	11373,	12299,
\thealgocf 168		17687, 18370, 19029	12310,	12321,
\theAlgoLine 21459		\theequation . . 6509,	12451,	12489,



12522, 12553,	8733, 10710,	8735, 10712,
12584, 12646, 13803	10711, 11014,	11013, 11016,
\thempfootnote	11015, 11027,	11017, 11029,
. . . . 11327, 13803	11028, 12972,	11030, 12973,
\theorem@indent . . .	14433, 14435,	12974, 14436,
. 15208,	15182, 15184,	14439, 15914,
15209, 15228, 15229	15912, 15913,	15915, 16279,
\theorem@prework 15202	16277, 16278,	16280, 16479,
\theorempostskipamount	16477, 16478,	16480, 16662,
. . . . 15203, 15223	16660, 16661,	16663, 17064,
\theorempreskipamount	17063, 17611,	17067, 17620,
. . . . 15206, 15226	17619, 18310, 18314	17623, 18315, 18318
\thepage . 1941, 1946,	\thesubparagraph 22,	\thetable 6513,
2533, 4665, 4777,	217, 542, 696,	6690, 6935, 8729,
4778, 4779, 4788,	950, 1209, 6508,	10719, 11011,
4789, 6004, 6005,	6685, 6942, 8613,	11024, 14446,
6016, 6017, 6018,	8736, 10714,	15921, 16284,
7530, 7548, 7705,	11018, 11031,	16475, 16657,
7723, 15006,	12975, 14440,	17635, 18326, 18754
15013, 20499, 21264	15916, 16281,	\TheTokenList 3661
\theparagraph . . . 21,	16481, 16664,	\thinlines 7195, 7205,
22, 216, 217,	17068, 17624, 18319	7218, 7228, 7241,
541, 542, 695,	\thesubsection . . 19,	7251, 7264, 7274
696, 949, 950,	20, 214, 215,	\thispagestyle . 101,
1208, 1209, 5554,	539, 540, 693,	113, 221, 462,
6507, 6508, 6684,	694, 947, 948,	594, 609, 813,
6685, 6941, 6942,	1206, 1207, 5547,	858, 1065, 1110,
8612, 8613, 8735,	6505, 6506, 6682,	1315, 5905, 5927,
8736, 10713,	6683, 6939, 6940,	5948, 6404, 6581,
10714, 11017,	8610, 8611, 8733,	6792, 6855, 8576,
11018, 11030,	8734, 10711,	8673, 8790,
11031, 12974,	10712, 11015,	8793, 10676,
12975, 14438,	11016, 11028,	12931, 12979,
14441, 15915,	11029, 12972,	13003, 13006,
15916, 16280,	12973, 14434,	14423, 15800,
16281, 16480,	14437, 15913,	16010, 16055,
16481, 16663,	15914, 16278,	16151, 16395,
16664, 17067,	16279, 16478,	16515, 16577,
17069, 17623,	16479, 16661,	16911, 16984,
17625, 18318, 18320	16662, 17063,	17460, 17533,
\thepart	17065, 17619,	18159, 18232, 19088
546, 554, 8472, 8480	17621, 18314, 18316	\thm@topsepadd 15203,
\ther@tfl@t . 16710,	\thesubsubsection 20,	15204, 15207,
16711, 16753, 16754	21, 215, 216,	15223, 15224, 15227
\thesection 19,	540, 541, 694,	\thr@@ 349, 365,
214, 539, 693,	695, 948, 949,	1374, 1392, 1416,
947, 1206, 5540,	1207, 1208,	1425, 9370, 9375,
6504, 6505, 6681,	6506, 6507, 6683,	14997, 15015,
6682, 6938, 6939,	6684, 6940, 6941,	18673, 18870, 18890
8610, 8732,	8611, 8612, 8734,	\threecolumnfootnotes



..... 9273	\titlespacing	14175, 14179,
\tiny .. 2016, 5302, 5674	.. 5558, 5559, 5560	14200, 14208,
\title 320,	\titlestyle . 2421, 7930	14209, 14234,
438, 474, 778,	\tl ... 13823, 13831,	14238, 14239,
823, 1030, 1075,	13836, 13838,	14240, 14253,
1280, 1325, 1986,	13839, 13840,	14325, 14326,
2435, 2474, 5819,	13841, 13843,	14334, 14335,
5834, 6565, 6742,	13844, 13846,	14336, 14337,
6831, 6867, 8552,	13849, 13853,	14347, 14348,
8586, 8649, 8685,	13862, 13866,	14349, 14354,
10652, 10686,	13869, 13874,	14359, 14361,
15975, 16020,	13879, 13887,	14364, 14365,
16116, 16163,	13889, 13890,	14370, 14371,
16366, 16407,	13891, 13892,	14376, 14388, 14389
16553, 16589,	13894, 13896,	\tmpcount ... 3851, 3877
17006, 17555, 18254	13898, 13899,	\toaddress . 8799, 13012
\TitleBarFrame	13901, 13907,	\toc@headstar
. 11378, 11397,	13911, 13914,	..... 19078, 19083
11399, 11401, 11403	13915, 13918,	\tocbasic@DependOnPenaltyAndTOCLevel
\titlecolour . 2404, 7866	13925, 13930,	..... 19673
\titlecontents	13938, 13941,	\tocbasic@SetPenaltyByTOCLevel
... 5586, 5593,	13942, 13943,	..... 19757
5600, 5607, 5614	13944, 13945,	\TOCEntryStyleStartInitCode
\TitleFont 727, 743,	13948, 13954,	. 17287, 17300,
834, 836, 842,	13955, 13956,	17319, 17867,
979, 995, 1086,	13961, 13963,	17880, 17899,
1088, 1094, 1229,	13970, 13974,	18550, 18563, 18582
1245, 1337, 1339,	13979, 13981,	\toclevel@subfigure
1345, 1348, 1349,	13983, 13985,	..... 19290
1354, 6530, 6707,	14004, 14010,	\toclevel@subtable
15924, 15940,	14011, 14012,	..... 19310
16031, 16033,	14013, 14014,	\TOCLineLeaderFill
16039, 16061,	14026, 14029,	..... 17304,
16079, 16177,	14032, 14034,	17321, 17884,
16179, 16185,	14058, 14059,	17901, 18567,
16188, 16189, 16194	14061, 14070,	18584, 19774, 20035
\titlefont 2413, 2421,	14073, 14074,	\tocstyle@numberline
7899, 16925,	14075, 14076,	..... 20180,
17038, 17474,	14077, 14078,	20182, 20200,
17587, 18173, 18286	14080, 14086,	20202, 20205, 20207
\titleformat .. 5530,	14091, 14094,	\tocstyle@activate@all@1
5537, 5544, 5551	14095, 14108,	..... 20293
\titlehead	14110, 14111,	\tocstyle@activate@features
17008, 17557, 18256	14112, 14113,	..... 20070
\titlepage 620,	14114, 14115,	\tocstyle@dottedtocline
927, 1179, 6470,	14116, 14125,	..... 20057
6658, 15811, 16261	14128, 14132,	\tocstyle@feature@dothook
\titlepagestyle ...	14133, 14134,	..... 20156
16984, 17533, 18232	14137, 14151,	\tocstyle@feature@entryhook
	14157, 14170,	..... 20152



<code>\tocstyle@feature@entryvskip</code>	20136, 20185,	15508, 15509,
.... 20071, 20074	20187, 20188, 20192	15513, 15514, 15518
<code>\tocstyle@feature@leaders</code>	<code>\today</code> 5828	<code>\topins</code> 15601
.... 20154, 20159	<code>\token</code> 15272	<code>\topmargin</code> 1956, 2358,
<code>\tocstyle@feature@pagenumberhook</code>	..... 122,	8270, 10958, 21353
.... 20162, 20165	124, 1459, 1460,	<code>\topmark</code> 7335,
<code>\tocstyle@feature@pagenumberhook</code>	1462, 1463, 5159,	7344, 7398,
.... 20163, 20165	5160, 5166, 7105,	7407, 10774,
<code>\tocstyle@feature@parfillskip</code>	11456, 11457,	10783, 10810,
.... 20142, 20143	11458, 12988, 12990	10819, 11576,
<code>\tocstyle@feature@raggedhook</code>	121, 125, 1618,	11585, 11625,
..... 20078	1631, 1890, 1903,	11634, 14558,
<code>\tocstyle@feature@spaceafternumber</code>	471, 4375, 7335,	14567, 14658,
..... 20179,	7336, 7337, 7338,	14667, 21022,
20183, 20204, 20208	7398, 7399, 7400,	21031, 21069, 21078
<code>\tocstyle@indentstyle</code>	7401, 10774,	<code>\topsep</code> .. 2098, 2107,
.... 20129, 20199	10775, 10776,	2548, 4458, 5668,
<code>\tocstyle@l@define</code>	10777, 10810,	5710, 14455, 14457
. 20216, 20219,	10811, 10812,	<code>\topskip</code> 301,
20224, 20228,	10813, 11576,	1964, 7590, 7593,
20232, 20236,	11577, 11578,	11462, 11464,
20240, 20244,	11579, 11625,	11469, 14461,
20248, 20252, 20284	11626, 11627,	14752, 19054,
<code>\tocstyle@macrochangewarning</code>	11628, 11851,	19060, 19065,
.... 20272, 20279	11854, 11888,	19072, 19077, 19082
<code>\tocstyle@numberline</code>	11890, 11894,	<code>\TOTALHEIGHT</code> 18902, 18906
.... 20058, 20177	11896, 11899,	<code>\totalheight</code> 11881
<code>\tocstyle@saved@dottedtocline</code>	12429, 12432,	<code>\tovalue</code> 3735,
..... 20274	12987, 12991,	3822, 3830, 3861,
<code>\tocstyle@saved@numberline</code>	14558, 14559,	3874, 3880, 3881
..... 20282	14560, 14561,	<code>\tracingmacros</code> ... 3850
<code>\tocstyledepth</code> 20069,	14658, 14659,	<code>\traditionalconnverses</code>
20081, 20093,	14660, 14661,	.. 6066, 6089, 6105
20113, 20114,	18816, 18836,	<code>\traditionalhalfverses</code>
20117, 20135,	18842, 21022,	..... 6055,
20136, 20185,	21023, 21024,	6059, 6066, 6099
20187, 20189, 20193	21025, 21069,	<code>\traditionalpoem</code> . 6301
<code>\tocstyleTOC</code>	21070, 21071, 21072	<code>\traditionalpoem@cr</code>
. 20081, 20084,	<code>\tolerance</code> ... 9215,	.. 6179, 6228, 6229
20085, 20087,	9321, 9427, 9536,	<code>\traditionalpoem@obeylines</code>
20089, 20093,	9645, 9754,	..... 6109, 6301
20094, 20096,	9863, 9972, 10081	<code>\traditionalpoem@par</code>
20097, 20101,	<code>\toname</code> 8799, 13012	.. 6109, 6110, 6228
20105, 20106,	<code>\topheight</code>	<code>\trimb</code> 5161, 5168
20109, 20110,	. 15425, 15427,	<code>\trimc</code> 5170
20113, 20114,	15428, 15429,	<code>\trivlist</code>
20117, 20119,	15431, 15437,	10865, 15205, 15225
20121, 20122,	15439, 15441,	<code>\ttdefault</code> .. 7805, 7897
20126, 20131,	15442, 15443,	<code>\ttfamily</code> 2003,
20132, 20135,	15506, 15507,	2043, 2044, 2046,



2047, 2048, 2049, 2050, 2051, 2052	11866, 11868, 11869, 11872, 11874, 11875,	\TX@find@endtabularxb 18823
\ttl@a 18977, 18979	13138, 14845, 14852, 14853,	\TX@find@endtabularxbb 18821
\ttl@b 18972, 18973, 18977, 18979	14861, 14862, 14867, 14868,	\TX@ftn 18818, 18853, 18855, 18857, 18860, 18862, 18864
\ttl@beginlongest 18947	14874, 14884, 14885, 14892,	\TX@ftntext 18812
\ttl@calc . 18942, 18954	14893, 14916, 14921, 15617,	\TX@LTRftntext 18813, 18852
\ttl@changecentercr 18946	15618, 16869, 17418, 17989,	\TX@newcol 18795
\ttl@contentsstretch 18984	18117, 18673, 18771, 18869,	\TX@old@table ... 18800
\ttl@corr 18999, 19000, 19003	18877, 19202, 20708, 20709,	\TX@RTLftntext 18814, 18859
\ttl@endlongest . 18962	20938, 20942, 20944	\TX@target 18801, 18815
\ttl@fillleft 18936, 18965	\twocolumn 455, 591, 607, 806,	\TX@trial 18805, 18810, 18826
\ttl@filright 18937, 18966	856, 1058, 1108, 1308, 1940, 6402,	\TX@trial@ftn 18829, 18830, 18831
\ttl@glcmds 18949	6579, 6789, 6848, 7529, 7704, 8569,	\TX@typeout@ 18803, 18845
\ttl@hmode@error 18948	8666, 10669, 14414, 15798,	\TX@verb 18796
\ttl@leaders 19001	16003, 16053, 16144, 16388,	\TX@vwarn 18832
\ttl@lselect 19008, 19011	16512, 16570, 16977, 17526,	\TX@xftntext 18812
\ttl@makeline 18942, 18997	18225, 19054, 19060, 19065,	\TX@xLTRftntext 18813, 18856
\ttl@margin 18996, 19002	19072, 19077, 19082	\TX@xRTLftntext 18814, 18863
\ttl@midlongest . 18961	\twocolumnfootnotes 9164	\typeout 1522, 1524, 4661, 4663, 4664, 4665, 4667, 4669, 4670, 4671, 11052, 15657, 20081, 20093, 20113, 20114, 20117, 20135, 20136
\ttl@outnoblock . 18975	\TX@ 18793, 18794, 18822, 18823	
\ttl@savel@chapter 19010	\TX@align . 18846, 18848	
\ttl@savel@part . 19007	\TX@arith 18808	
\ttl@hang 18941	\TX@ckpt .. 18798, 18844	
\turn 16797	\TX@col@width 18795, 18801, 18806, 18849	
\turnbox 16818	\TX@cols 18802, 18806, 18850	
\tw@ 348, 356, 1373, 1381, 1415, 1419, 1424, 2270, 2957, 9267, 9272, 10737, 10738, 11455, 11459, 11460, 11474, 11478, 11483, 11486, 11497, 11501, 11502, 11503, 11504, 11507, 11806, 11807, 11817, 11819, 11820, 11822, 11823, 11826, 11828, 11829, 11863, 11865,	\TX@endtabularx 12418, 12429, 12435, 18791	
	\TX@find@endtabularxa 18793, 18794	

U

\uc@authornothanks 755, 784, 789, 1007, 1036, 1041, 1257, 1286, 1291, 6542, 6719, 15952, 15981, 15986, 16091, 16122, 16127	
\uc@ax 785, 786, 1037, 1038, 1287, 1288, 15982, 15983, 16123, 16124	



<code>\uc@nothanks</code> . . . 746, 783, 784, 793, 998, 1035, 1036, 1045, 1248, 1285, 1286, 1295, 6533, 6710, 15943, 15980, 15981, 15990, 16082, 16121, 16122, 16131	938, 940, 941, 953, 958, 1052, 1124, 1125, 1127, 1189, 1198, 1204, 6418, 6419, 6421, 6496, 6502, 6595, 6596, 6598, 6649, 6655, 15821, 15832, 15833, 15835, 15886, 15892, 16204, 16205, 16207, 16271, 16309, 16315	16812, 16830, 17165, 17186, 17191, 17200, 17745, 17766, 17771, 17780, 18428, 18449, 18454, 18463, 21020, 21067, 21296
<code>\uc@tx</code> 783, 791, 1035, 1043, 1285, 1293, 15980, 15988, 16121, 16129		<code>\untilcondition</code> 3736, 3750, 3834, 3877
<code>\uc@ty</code> 792, 793, 1044, 1045, 1294, 1295, 15989, 15990, 16130, 16131	<code>\unitlength</code> . . 7195, 7205, 7218, 7228, 7241, 7251, 7264, 7274, 15239	<code>\unvbox</code> 7041, 7042, 7296, 7299, 7316, 7320, 7333, 7383, 7396, 7442, 7500, 7508, 7509, 7518, 7596, 7598, 7602, 7605, 7611, 7615, 7674, 7682, 7683, 7692, 7740, 7971, 7974, 7975, 7992, 7995, 7996, 8021, 8028, 8033, 8038, 8078, 8083, 8087, 8092, 8931, 8942, 8953, 9046, 9067, 9122, 9128, 9163, 9228, 9240, 9253, 9334, 9345, 9357, 9440, 9452, 9465, 9549, 9561, 9574, 9658, 9670, 9683, 9767, 9779, 9792, 9876, 9888, 9901, 9985, 9997, 10010, 10094, 10106, 10119, 10140, 10371, 10390, 10404, 10416, 10426, 10436, 10445, 10481, 10489, 10496, 10503, 10509, 11276, 11290, 11304, 11341, 11346, 11449, 11459, 11486, 11574, 11623, 11695, 11697, 11741, 11746, 11752,
<code>\undefined</code> 4177, 6253, 6307, 6310, 6312, 17168, 17170, 17172, 17748, 17750, 17752, 18431, 18433, 18435	<code>\unkern</code> 5323	
<code>\underline</code> 20897, 20905	<code>\unpenalty</code> . . . 7030, 7573, 7585, 7596, 7602, 10145, 10162, 10171, 11486	
<code>\undertext</code> 20905	<code>\unrestored@protected@xdef</code> . . . 2214, 2222, 2230, 5406, 5435, 5464, 6280, 6287, 6294, 11190, 11199, 11358, 11373, 12299, 12310, 12321, 12332	
<code>\unexpanded</code> 2984, 2993, 2994, 3001, 3002, 3015, 3016, 3023, 3024, 3125, 3246	<code>\unsetfootnoteRL</code> 11205, 11206	
<code>\unhbox</code> 1489, 6134, 6392, 7131, 10142, 10165, 10174, 10177, 10419, 10423, 10429, 10433, 10439, 10442, 10448, 10451, 12854, 12859, 12887, 12892, 12904, 12909, 20827, 20948, 20949, 20950, 20951	<code>\unsetLTR</code> . 15586, 20686 <code>\unsetRL</code> . . 15624, 20717 <code>\unsetRTL</code> . 15585, 20685 <code>\unskip</code> 46, 60, 76, 249, 263, 278, 336, 1441, 1442, 1443, 4715, 4718, 4721, 4724, 5414, 5443, 5472, 6161, 6172, 7027, 7333, 7396, 7573, 7585, 7596, 7598, 7602, 7606, 9114, 10143, 10144, 11336, 11574, 11623, 13730, 13772, 13775, 14556, 14656, 16802,	
<code>\unhcopy</code> 12870, 12875, 18693, 18705, 18781		
<code>\unhskip</code> 3654		
<code>\unitindent</code> . . . 630, 641, 642, 644, 718, 724, 868, 869, 871, 937,		



11756,	11763,	12084,	12089,	17874,	17890,
11779,	13703,	12091,	12095,	17893,	18131,
13708,	13717,	12097,	12101,	18138,	18175,
13720,	13778,	12103,	12107,	18288,	18554,
13796,	14556,	12109,	12115,	18557, 18573, 18576	
14585,	14587,	12116,	12119,	\usepackage	
14595,	14613,	12120,	12124,	... 4095, 4096,	
14615,	14656,	12125,	12128,	4101, 4102, 4105,	
14685,	14687,	12129,	12132,	4108, 4153, 4154	
14695,	14713,	12133,	12136,	\usetocbasicnumberline	
14715,	14770,	12137,	12151, 19710	
15463,	15467,	12152,	12154,		
15472,	15476,	12155,	12167,	V	
15488,	15499,	12168,	12170,	\v@aaa ... 7461, 7463,	
15519,	15522,	12171,	12177,	7464, 7465, 7467,	
15527,	15601,	12178,	12181,	7469, 7470, 7471,	
15602,	15606,	12182,	12186,	7472, 7627, 7629,	
15611,	20827,	12187,	12190,	7631, 7633, 7634,	
21020,	21067,	12191,	12194,	7639, 7640, 7642,	
21115,	21120,	12195,	12198,	7645, 7646, 7649	
21131,	21135,	12199,	12206,	\v@ccc 7462,	
21142, 21147, 21154		12208,	12212,	7468, 7470, 7471,	
\unvcopy 7568, 8015, 8072		12214,	12219,	7472, 7473, 7482,	
\uppercase 308, 763,		12221,	12225,	7490, 7628, 7640,	
783, 1015, 1035,		12227,	12231,	7641, 7645, 7648,	
1265, 1285, 6550,		12233,	12237,	7652, 7658, 7664	
6727, 15960,		12239,	12252,	\vadjust 6137, 6138, 6145	
15980, 16099, 16121		12254,	13155,	\valign 9153, 9157	
\uppercasenonmath .		13157,	15235,	\value 5204,	
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