



The bidi Package

Source documentation for version 37.2

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/kvafa/bidi/issues>

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

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/kvafa/bidi/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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The *bidi* Package

Bidirectional typesetting in plain \TeX and \LaTeX , using \XeTeX engine

Source documentation for [version 37.2](#)

Vafa Khalighi*

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*Thanks to the `bidi-tex` GitHub organization consisted of David Carlisle and other members of the \LaTeX team to maintain the package in the period 2018–2020.

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1 File amsart-xetex-bidi.def

```

1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for X
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\c@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
13    \if@RTL\leftskip\else\righskip\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@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@RTLfootnotetext@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 \@makefnmark%
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 \@makefnmark%
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 \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@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 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent{z@ \parskip{z@ \@plus.3\p@}\relax
104 \ifRTL\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\nonmath\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 p
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 p
166 \expandafter\ifx\c@name algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168     \renewcommand\thealgocf{\c@name the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi
170 \@ifpackageloaded{color}{}{}%
171 \bidi@patchcmd{\@algocf@start}{\bgroup}{}%
172     \bgroup
173     \if@RTL
174         \beginR
175     \else
176         \beginL
177     \fi
178 }{}{}
179 \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{}%
180     \if@RTL
181         \endR
182     \else
183         \endL
184     \fi
185     \egroup
186     \end{lrbox}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{}%
189     \if@RTL
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
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\c@name r@tocindent\number#1\endcsname\relax
204     }{}%
205     \@tempdima#4\relax

```




```

206    }%
207    \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
208    \if@RTL\leftskip\else\righskip\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 \@makefnfntext{%
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@L@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 \@makefnfntext{%
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 \@bibttitlestyle
288 \normalfont\bibliofont\labelsep .5em\relax
289 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
290 \ifRTL\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-\ifRTL\rightskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\rightskip\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}[2020/05/16 v1.2 bidi adaptations for amsmath package f
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\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
335   }
336 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italicco
337
338 \bidi@patchcmd\math@cr@@@align\place@tag{%
339   \place@tag
340   \else
341     \place@tag
342 }{}{}
343

```

6 File amstext-xetex-bidi.def

```

344 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package f
345 \def\textdef@#1#2#3{\hbox{%
346   \everymath{#1}%
347   \let\fontsize#2\selectfont
348   \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}

```

7 File amsthm-xetex-bidi.def

```

349 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for
350 \def\@thmcountersep{\@SepMark}

```

8 File array-xetex-bidi.def

```

351 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for X
352 \def\@testpach{\@chclass
353   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
354   \ifnum \@lastchclass=7 5 \else
355   \ifnum \@lastchclass=8 \tw@ \else

```



```

356 \ifnum \@lastchclass=9 \thr@@
357 \else \z@
358 \ifnum \@lastchclass = 10 \else
359 \edef\@nextchar{\expandafter\string\@nextchar}%
360 \@chnum
361 \if \@nextchar c\z@ \else
362 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
363 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
364 \z@ \@chclass
365 \if\@nextchar |\@ne \else
366 \if \@nextchar !6 \else
367 \if \@nextchar @7 \else
368 \if \@nextchar <8 \else
369 \if \@nextchar >9 \else
370 10
371 \@chnum
372 \if \@nextchar m\thr@@\else
373 \if \@nextchar p4 \else
374 \if \@nextchar b5 \else
375 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
376 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
377 \def\@tabular{%
378 \leavevmode
379 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
380 \let\d@llarend\endR\endgroup
381 \@tabarray}
382 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
383 \expandafter\let\csname endtabular*\endcsname=\endtabular
384 \def\@array[#1]#2{%
385 \@tempdima \ht \strutbox
386 \advance \@tempdima by\extrarowheight
387 \setbox \@arstrutbox \hbox{\vrule
388 \@height \arraystretch \@tempdima
389 \@depth \arraystretch \dp \strutbox
390 \@width \z@}%
391 \beginR
392 \mkpream{#2}%
393 \xdef\@preamble{\noexpand \ialign \@halignto
394 \bgroup \@arstrut \@preamble
395 \tabskip \z@ \cr}%
396 \endgroup
397 \@arrayleft
398 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
399 \bgroup
400 \let \@sharp ##\let \protect \relax
401 \lineskip \z@
402 \baselineskip \z@
403 \m@th
404 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxR
405 \def\@tabarray{\@ifnextchar{\@array}{\@array[c]}}
406 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
407 \def\array{\col@sep\arraycolsep
408 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}
409 \@RTLtabfalse\@tabarray}

```



9 File article-xetex-bidi.def

```

410 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article]
411 \if@titlepage
412   \renewcommand\maketitle{\begin{titlepage}%
413     \let\footnotesize\small
414     \let\right@footnoterule\relax
415     \let\left@footnoterule\relax
416     \let\textwidth@footnoterule\relax
417     \let\footnote\thanks
418     \let\LTRfootnote\LTRthanks
419     \let\RTLfootnote\RTLthanks
420     \null\vfil
421     \vskip 60\p@
422     \begin{center}%
423       {\LARGE \@title \par}%
424       \vskip 3em%
425       {\large
426         \lineskip .75em%
427         \begin{tabular}[t]{c}%
428           \@author
429         \end{tabular}\par}%
430       \vskip 1.5em%
431       {\large \@date \par}%           % Set date in \large size.
432     \end{center}\par
433     \@thanks
434     \vfil\null
435   \end{titlepage}%
436   \setcounter{footnote}{0}%
437   \global\let\thanks\relax
438   \global\let\LTRthanks\relax
439   \global\let\RTLthanks\relax
440   \global\let\maketitle\relax
441   \global\let\@thanks\@empty
442   \global\let\@author\@empty
443   \global\let\@date\@empty
444   \global\let\@title\@empty
445   \global\let\title\relax
446   \global\let\author\relax
447   \global\let\date\relax
448   \global\let\and\relax
449 }
450 \else
451 \renewcommand\maketitle{\par
452   \begingroup
453     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
454     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
455     \long\def\@makefntext##1{\parindent 1em\noindent
456       \hb@xt@1.8em{%
457         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
458     \if@twocolumn
459       \ifnum \col@number=\@ne
460         \@maketitle
461       \else

```



```

462     \twocolumn[\@maketitle]%
463     \fi
464     \else
465     \newpage
466     \global\@topnum\z@    % Prevents figures from going at top of page.
467     \@maketitle
468     \fi
469     \thispagestyle{plain}\@thanks
470 \endgroup
471 \setcounter{footnote}{0}%
472 \global\let\thanks\relax
473 \global\let\LTRthanks\relax
474 \global\let\RTLthanks\relax
475 \global\let\maketitle\relax
476 \global\let\@maketitle\relax
477 \global\let\@thanks\@empty
478 \global\let\@author\@empty
479 \global\let\@date\@empty
480 \global\let\@title\@empty
481 \global\let\title\relax
482 \global\let\author\relax
483 \global\let\date\relax
484 \global\let\and\relax
485 }
486 \def\@maketitle{%
487   \newpage
488   \null
489   \vskip 2em%
490   \begin{center}%
491     \let \footnote \thanks
492     \let \LTRfootnote \LTRthanks
493     \let \RTLfootnote \RTLthanks
494     {\LARGE \@title \par}%
495     \vskip 1.5em%
496     {\large
497       \lineskip .5em%
498       \begin{tabular}[t]{c}%
499         \@author
500       \end{tabular}\par}%
501     \vskip 1em%
502     {\large \@date}%
503   \end{center}%
504   \par
505   \vskip 1.5em}
506 \fi
507 \renewcommand*\l@part[2]{%
508   \ifnum \c@tocdepth >-2\relax
509     \addpenalty\@secpenalty
510     \addvspace{2.25em \@plus\p@}%
511     \setlength\@tempdima{3em}%
512     \begingroup
513       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
514       \parfillskip -\@pnumwidth
515       {\leavevmode

```



```

516     \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
517     \nobreak
518     \if@compatibility
519         \global\@nobreaktrue
520         \everypar{\global\@nobreakfalse\everypar{}}%
521     \fi
522 \endgroup
523 \fi}
524 \renewcommand*\l@section[2]{%
525 \ifnum \c@tocdepth >\z@
526     \addpenalty\@secpenalty
527     \addvspace{1.0em \@plus\p@}%
528     \setlength\@tempdima{1.5em}%
529     \begingroup
530         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
531         \parfillskip -\@pnumwidth
532         \leavevmode \bfseries
533         \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
534         \hskip -\if@RTL\rightskip\else\leftskip\fi
535         #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
536     \endgroup
537 \fi}
538 \renewcommand\left@footnoterule{%
539 \kern-3\p@
540 \hrule\@width.4\columnwidth
541 \kern2.6\p@}
542 \renewcommand\right@footnoterule{%
543 \kern-3\p@
544 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
545 \kern2.6\p@}
546 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
547 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
548 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
549 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
550 \def\@part[#1]#2{%
551     \ifnum \c@secnumdepth >\m@ne
552         \refstepcounter{part}%
553         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
554     \else
555         \addcontentsline{toc}{part}{#1}%
556     \fi
557     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
558     \interlinepenalty \@M
559     \normalfont
560     \ifnum \c@secnumdepth >\m@ne
561         \Large\bfseries \partname\nobreakspace\thepart
562         \par\nobreak
563     \fi
564     \huge \bfseries #2%
565     \markboth{}{}\par}%
566 \nobreak
567 \vskip 3ex
568 \@afterheading}
569 \renewenvironment{thebibliography}[1]

```



```

570 {\section*{\refname}%
571 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
572 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
573 \bidi@thebibliography@font@hook%
574 \list{\@biblabel{\@arabic\c@enumiv}}%
575 {\settowidth\labelwidth{\@biblabel{#1}}%
576 \leftmargin\labelwidth
577 \advance\leftmargin\labelsep
578 \@openbib@code
579 \usecounter{enumiv}%
580 \let\p@enumiv\@empty
581 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
582 \sloppy
583 \clubpenalty4000
584 \@clubpenalty \clubpenalty
585 \widowpenalty4000%
586 \sfcode\~.\@m}
587 {\def\@noitemerr
588 {\@latex@warning{Empty `thebibliography' environment}}}%
589 \endlist}
590 \renewenvironment{theindex}
591 {\if@twocolumn
592 \restonecolfalse
593 \else
594 \restonecoltrue
595 \fi
596 \columnseprule \z@
597 \columnsep 35\p@
598 \twocolumn[\section*{\indexname}]%
599 \mkboth{\MakeUppercase\indexname}%
600 {\MakeUppercase\indexname}%
601 \thispagestyle{plain}\parindent\z@
602 \parskip\z@ \@plus .3\p@\relax
603 \let\item\@idxitem}
604 {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

605 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class f
606 \renewenvironment{theindex}{%
607 \if@twocolumn
608 \restonecolfalse
609 \else
610 \restonecoltrue
611 \fi
612 \columnseprule \z@
613 \columnsep 35\p@
614 \twocolumn[\section*{\indexname}]%
615 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
616 \thispagestyle{plain}\parindent\z@
617 \parskip\z@ \@plus .3\p@\relax
618 \let\item\@idxitem
619 }{%
620 \if@restonecol\onecolumn\else\clearpage\fi}

```




```

621 \renewcommand*\head@style{%
622     \interlinepenalty \@M
623     \hyphenpenalty=\@M \exhyphenpenalty=\@M
624     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
625 \if@titlepage
626     \renewenvironment{abstract}{%
627         \titlepage
628         \null\vfil
629         \section*{\SectFont\abstractname}
630         \noindent\ignorespaces}
631     {\par\vfil\null\endtitlepage}
632 \else
633     \renewenvironment{abstract}{%
634         \if@twocolumn
635             \section*{\abstractname}%
636         \else
637             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
638             \section*{\small\SectFont\abstractname}%
639             \noindent\ignorespaces
640             \fi}
641     {\if@twocolumn\else\par\egroup\fi}
642 \fi
643 \renewcommand*\@regtocline[3]{%
644     \ifnum #1>\c@tocdepth
645     \else
646         \vskip\z@\@plus.2\p@
647         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
648         \if@RTL\rightskip\else\leftskip\fi\unitindent
649         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
650         \parfillskip\z@
651         \@tempdima\unitindent
652         \parindent\z@
653         \leavevmode
654         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
655         \hskip 1em \nobreak{\slshape #3}\par
656         }%
657     \fi}
658 \if@oldtoc
659 \renewcommand*\l@part[2]{%
660     \ifnum \c@tocdepth >-2\relax
661         \addpenalty\@secpenalty
662         \addvspace{2.25em \@plus\p@}%
663         \begingroup
664             \setlength\@tempdima{3em}%
665             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
666             \parfillskip -\@pnumwidth
667             {\leavevmode
668                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
669                 \nobreak
670                 \if@compatibility
671                     \global\@nobreaktrue
672                 \everypar{\global\@nobreakfalse\everypar{}}%
673             \fi
674         \endgroup

```



```

675 \fi}
676 \else
677 \renewcommand*\l@part{%
678 \ifnum \c@tocdepth >-2\relax
679 \addpenalty\@secpenalty
680 \addvspace{2.25em \@plus \p@}%
681 \@regtocline{0}%
682 \fi}
683 \fi
684 \if@oldtoc
685 \renewcommand*\l@section[2]{%
686 \addpenalty\@secpenalty
687 \addvspace{1.0em \@plus \p@}%
688 \setlength\@tempdima{1.5em}%
689 \begingroup
690 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
691 \parfillskip -\@pnumwidth
692 \leavevmode \bfseries
693 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
694 \hskip -\if@RTL\rightskip\else\leftskip\fi
695 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
696 \endgroup}
697 \else
698 \renewcommand*\l@section{\@regtocline{1}}
699 \fi
700 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
701 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
702 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
703 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
704 \renewenvironment{thebibliography}[1]
705 {\section*\refname}%
706 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
707 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
708 \bidi\@thebibliography@font@hook%
709 \list{\@biblabel{\@arabic\c@enumiv}}%
710 {\settowidth\labelwidth{\@biblabel{#1}}%
711 \leftmargin\labelwidth
712 \advance\leftmargin\labelsep
713 \@openbib@code
714 \usecounter{enumiv}%
715 \let\p@enumiv\@empty
716 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
717 \sloppy\clubpenalty4000\widowpenalty4000%
718 \sfcode`. \@m}
719 {\def\@noitemerr
720 {\@latex@warning{Empty `thebibliography' environment}}}%
721 \endlist}
722 \renewcommand*\left@footnoterule{%
723 \kern-3\p@
724 \kern.5\baselineskip
725 \hrule\@width\unitindent
726 \kern.4\baselineskip
727 }
728 \renewcommand*\right@footnoterule{%

```



```

729 \kern-3\p@
730 \kern.5\baselineskip
731 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
732 \kern.4\baselineskip}
733 \if@titlepage
734 \renewcommand*{\TitleFont{\rmfamily}
735 \renewcommand*{\maketitle{%
736 \begin{titlepage}%
737 \let\footnotesize\small
738 \let\right@footnoterule\relax
739 \let\left@footnoterule\relax
740 \let\textwidth\footnoterule\relax
741 \let \footnote \thanks
742 \long\def\@makefntext##1{\parindent\z@
743 \def\labelitemi{\textendash}\@revlabeltrue
744 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
745 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
746 \if@compatibility\setcounter{page}{0}\fi
747 \null\vfil
748 \vskip 60\p@
749 \begin{center}%
750 \TitleFont
751 {\LARGE \def\{\{\penalty -\@M}
752 \if@allcaps
753 \expandafter\uc@nothanks\@title\thanks\relax
754 \else
755 \@title
756 \fi\par}%
757 \vskip 3em%
758 {\large
759 \lineskip .75em \parindent\z@
760 \begin{tabular}[t]{c}%
761 \if@allcaps
762 \expandafter\uc@authornothanks\@author\and\relax
763 \else
764 \@author
765 \fi
766 \end{tabular}\par}%
767 \vskip 1.5em%
768 {\large
769 \if@allcaps
770 \uppercase\expandafter{\@date}%
771 \else
772 \@date
773 \fi\par}%
774 \end{center}\par
775 \@thanks
776 \vfil\null
777 \end{titlepage}%
778 \setcounter{footnote}{0}%
779 \global\let\thanks\relax
780 \global\let\maketitle\relax
781 \global\let\@thanks\@empty
782 \global\let\@author\@empty

```



```

783 \global\let\@title\@empty
784 \global\let\@date\@empty
785 \global\let\title\relax
786 \global\let\author\relax
787 \global\let\date\relax
788 \global\let\and\relax
789 }
790 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
791 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
792 \futurelet\@tempa\uc@ax}
793 \def\uc@ax{%
794 \ifx\@tempa\relax
795 \else
796 \\\andname \\\expandafter\uc@authornothanks
797 \fi}
798 \def\uc@tx{\ifx\@tempa\relax
799 \else \expandafter\uc@ty \fi}
800 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
801 \else
802 \renewcommand*\maketitle{\par
803 \begingroup
804 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
805 \def\@makefnmark{\rlap{%
806 \@textsuperscript{\normalfont\@thefnmark}}}%
807 \long\def\@makefntext{\@xm@kefntext{%
808 \@textsuperscript{\normalfont\@thefnmark}}}%
809 \if@twocolumn
810 \ifnum \col@number=\@ne
811 \maketitle
812 \else
813 \twocolumn[\maketitle]%
814 \fi
815 \else
816 \newpage
817 \global\@topnum\z@
818 \maketitle
819 \fi
820 \thispagestyle{plain}\@thanks
821 \endgroup
822 \setcounter{footnote}{0}%
823 \global\let\thanks\relax
824 \global\let\maketitle\relax
825 \global\let\@maketitle\relax
826 \global\let\@thanks\@empty
827 \global\let\@author\@empty
828 \global\let\@title\@empty
829 \global\let\@date\@empty
830 \global\let\title\relax
831 \global\let\author\relax
832 \global\let\date\relax
833 \global\let\and\relax
834 }
835 \def\@maketitle{%
836 \newpage

```



```

837 \null
838 \vskip 2em%
839 \begin{center}%
840   \let \footnote \thanks
841   {\LARGE \TitleFont \@title \par}%
842   \vskip 1.5em%
843   {\large \TitleFont
844     \lineskip .5em%
845     \begin{tabular}[t]{c}%
846       \@author
847     \end{tabular}\par}%
848   \vskip 1em%
849   {\large \TitleFont \@date}%
850 \end{center}%
851 \par
852 \vskip 1.5em}
853 \fi

```

11 File artikel2-xetex-bidi.def

```

854 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class f
855 \renewenvironment{theindex}{%
856   \if@twocolumn
857     \@restonecolfalse
858   \else
859     \@restonecoltrue
860   \fi
861   \columnseprule \z@
862   \columnsep 35\p@
863   \twocolumn[\section*{\indexname}]%
864   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
865   \thispagestyle{plain}\parindent\z@
866   \parskip\z@ \@plus .3\p@\relax
867   \let\item\@idxitem
868   }{%
869   \if@restonecol\onecolumn\else\clearpage\fi}
870 \renewcommand*{\@regtocline}[3]{%
871   \ifnum #1>\c@tocdepth
872   \else
873     \vskip\z@ \@plus.2\p@
874     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
875       \if@RTL\righskip\else\leftskip\fi\unitindent
876       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
877       \parfillskip\z@
878       \@tempdima\unitindent
879       \advance\@tempdima by \othermargin
880       \parindent\z@
881       \leavevmode
882       \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
883         \hskip 1em \nobreak{\slshape #3}\par
884       }%
885   \fi}
886 \if@oldtoc
887 \renewcommand*\l@section[2]{%

```



```

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

```



```

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

```



```

996      \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
997      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
998      \if@compatibility\setcounter{page}{0}\fi
999      \null\vfil
1000     \vskip 60\p@
1001     \begin{center}%
1002       \TitleFont
1003       {\LARGE \def\\{\penalty -\@M}
1004         \if@allcaps
1005           \expandafter\uc@nothanks\@title\thanks\relax
1006         \else
1007           \@title
1008           \fi\par}%
1009     \vskip 3em%
1010     {\large
1011       \lineskip .75em \parindent\z@
1012       \begin{tabular}[t]{c}%
1013         \if@allcaps
1014           \expandafter\uc@authornothanks\@author\and\relax
1015         \else
1016           \@author
1017         \fi
1018       \end{tabular}\par}%
1019     \vskip 1.5em%
1020     {\large
1021       \if@allcaps
1022         \uppercase\expandafter{\@date}%
1023       \else
1024         \@date
1025       \fi\par}%
1026     \end{center}\par
1027     \@thanks
1028     \vfil\null
1029   \end{titlepage}%
1030   \setcounter{footnote}{0}%
1031   \global\let\thanks\relax
1032   \global\let\maketitle\relax
1033   \global\let\@thanks\@empty
1034   \global\let\@author\@empty
1035   \global\let\@title\@empty
1036   \global\let\@date\@empty
1037   \global\let\title\relax
1038   \global\let\author\relax
1039   \global\let\date\relax
1040   \global\let\and\relax
1041 }
1042 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1043 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1044   \futurelet\@tempa\uc@ax}
1045 \def\uc@ax{%
1046   \ifx\@tempa\relax
1047   \else
1048     \ \andname \ \ \expandafter\uc@authornothanks
1049   \fi}

```




```

1050 \def\uc@tx{\ifx\@tempa\relax
1051     \else \expandafter\uc@ty \fi}
1052 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1053 \else
1054 \renewcommand*\maketitle{\par
1055     \begingroup
1056     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1057     \long\def\@makefntext##1{\parindent\z@
1058         \def\labelitemi{\textendash}%
1059         \leavevmode\hb@xt@.5\unitindent{%
1060             \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1061     \if@twocolumn
1062         \ifnum \col@number=\@ne
1063             \@maketitle
1064         \else
1065             \twocolumn[\@maketitle]%
1066         \fi
1067     \else
1068         \newpage
1069         \global\@topnum\z@
1070         \@maketitle
1071     \fi
1072     \thispagestyle{plain}\@thanks
1073 \endgroup
1074 \setcounter{footnote}{0}%
1075 \global\let\thanks\relax
1076 \global\let\maketitle\relax
1077 \global\let\@maketitle\relax
1078 \global\let\@thanks\@empty
1079 \global\let\@author\@empty
1080 \global\let\@title\@empty
1081 \global\let\@date\@empty
1082 \global\let\title\relax
1083 \global\let\author\relax
1084 \global\let\date\relax
1085 \global\let\and\relax
1086 }
1087 \def\@maketitle{%
1088     \newpage
1089     \null
1090     \vskip 2em%
1091     \begin{center}%
1092         \let \footnote \thanks
1093         {\LARGE \TitleFont \@title \par}%
1094         \vskip 1.5em%
1095         {\large \TitleFont
1096             \lineskip .5em%
1097             \begin{tabular}[t]{c}%
1098                 \@author
1099             \end{tabular}\par}%
1100         \vskip 1em%
1101         {\large \TitleFont \@date}%
1102     \end{center}%
1103     \par

```



```

1104 \vskip 1.5em}
1105 \fi

```

12 File artikel3-xetex-bidi.def

```

1106 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class f
1107 \renewenvironment{theindex}{\%
1108 \if@twocolumn
1109 \@restonecolfalse
1110 \else
1111 \@restonecoltrue
1112 \fi
1113 \columnseprule \z@
1114 \columnsep 35\p@
1115 \twocolumn[\section*{\indexname}]\%
1116 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}\%
1117 \thispagestyle{plain}\parindent\z@
1118 \parskip\z@ \@plus .3\p@\relax
1119 \let\item\@idxitem
1120 }\%
1121 \if@restonecol\onecolumn\else\clearpage\fi}
1122 \renewcommand*{\head@style}{\%
1123 \interlinepenalty \@M
1124 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1125 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1126 \renewcommand*{\regtocline}[3]{\%
1127 \ifnum #1>\c@tocdepth
1128 \else
1129 \vskip\z@ \@plus .2\p@
1130 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
1131 \if@RTL\rightskip\else\leftskip\fi\unitindent
1132 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1133 \parfillskip\z@
1134 \@tempdima\unitindent
1135 \parindent\z@
1136 \leavevmode
1137 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1138 \hskip 1em \nobreak{\slshape #3}\par
1139 }\%
1140 \fi}
1141 \if@oldtoc
1142 \renewcommand*{\l@part}[2]{\%
1143 \ifnum \c@tocdepth >-2\relax
1144 \addpenalty\@secpenalty
1145 \addvspace{2.25em \@plus\p@}\%
1146 \begingroup
1147 \setlength{\tempdima}{3em}\%
1148 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1149 \parfillskip -\@pnumwidth
1150 {\leavevmode
1151 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1152 \nobreak
1153 \if@compatibility
1154 \global\@nobreaktrue

```



```

1155     \everypar{\global\@nobreakfalse\everypar{}}%
1156     \fi
1157   \endgroup
1158 \fi}
1159 \else
1160   \renewcommand*\l@part{%
1161     \ifnum \c@tocdepth >-2\relax
1162       \addpenalty\@secpenalty
1163       \addvspace{2.25em \@plus \p@}%
1164       \@regtocline{0}%
1165     \fi}
1166 \fi
1167
1168 \if@oldtoc
1169 \renewcommand*\l@section[2]{%
1170   \addpenalty\@secpenalty
1171   \addvspace{1.0em \@plus \p@}%
1172   \setlength\@tempdima{1.5em}%
1173   \begingroup
1174   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1175   \parfillskip -\@pnumwidth
1176   \leavevmode \bfseries
1177   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
1178   \hskip -\if@RTL\rightskip\else\leftskip\fi
1179   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1180   \endgroup}
1181 \else
1182   \renewcommand*\l@section{\@regtocline{1}}
1183 \fi
1184 \if@titlepage
1185   \renewenvironment{abstract}{%
1186     \titlepage
1187     \null\vfil
1188     \section*\SectFont\abstractname}%
1189     \noindent\ignorespaces}
1190     {\par\vfil\null\endtitlepage}
1191 \else
1192   \renewenvironment{abstract}{%
1193     \if@twocolumn
1194       \section*\abstractname}%
1195     \else
1196       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1197       \section*\small\SectFont\abstractname}%
1198       \noindent\ignorespaces
1199     \fi}
1200     {\if@twocolumn\else\par\egroup\fi}
1201 \fi
1202 \renewcommand*\left@footnoterule{%
1203   \kern-3\p@
1204   \kern.5\baselineskip
1205   \hrule\@width\unitindent
1206   \kern.4\baselineskip
1207 }
1208 \renewcommand*\right@footnoterule{%

```



```

1209 \kern-3\p@
1210 \kern.5\baselineskip
1211 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1212 \kern.4\baselineskip}
1213 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1214 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1215 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1216 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1217 \renewenvironment{thebibliography}[1]
1218     {\section*\refname}%
1219     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1220     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1221     \bidi@thebibliography@font@hook%
1222     \list{\@biblabel{\@arabic\c@enumiv}}%
1223         {\settowidth\labelwidth{\@biblabel{#1}}%
1224         \leftmargin\labelwidth
1225         \advance\leftmargin\labelsep
1226         \@openbib@code
1227         \usecounter{enumiv}%
1228         \let\p@enumiv\@empty
1229         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1230     \sloppy\clubpenalty4000\widowpenalty4000%
1231     \sfcode`.\@m}
1232     {\def\@noitemerr
1233     {\@latex@warning{Empty `thebibliography' environment}}}%
1234     \endlist}
1235 \if@titlepage
1236 \renewcommand*\TitleFont{\rmfamily}
1237 \renewcommand*\maketitle{%
1238 \begin{titlepage}%
1239 \let\footnotesize\small
1240 \let\right@footnoterule\relax
1241 \let\left@footnoterule\relax
1242 \let\textwidth\footnoterule\relax
1243 \let \footnote \thanks
1244 \long\def\@makefntext##1{\parindent\z@
1245 \def\labelitemi{\textendash}\@revlabeltrue
1246 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1247 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1248 \if@compatibility\setcounter{page}{0}\fi
1249 \null\vfil
1250 \vskip 60\p@
1251 \begin{center}%
1252 \TitleFont
1253 {\LARGE \def\\{\penalty -\@M}
1254 \if@allcaps
1255 \expandafter\uc@nothanks\@title\thanks\relax
1256 \else
1257 \@title
1258 \fi\par}%
1259 \vskip 3em%
1260 {\large
1261 \lineskip .75em \parindent\z@
1262 \begin{tabular}[t]{c}%

```



```

1263         \if@allcaps
1264         \expandafter\uc@authornothanks \@author\and\relax
1265         \else
1266         \@author
1267         \fi
1268     \end{tabular}\par}%
1269     \vskip 1.5em%
1270     {\large
1271     \if@allcaps
1272     \uppercase\expandafter{\@date}%
1273     \else
1274     \@date
1275     \fi\par}%
1276     \end{center}\par
1277     \@thanks
1278     \vfil\null
1279 \end{titlepage}%
1280 \setcounter{footnote}{0}%
1281 \global\let\thanks\relax
1282 \global\let\maketitle\relax
1283 \global\let\@thanks\@empty
1284 \global\let\@author\@empty
1285 \global\let\@title\@empty
1286 \global\let\@date\@empty
1287 \global\let\title\relax
1288 \global\let\author\relax
1289 \global\let\date\relax
1290 \global\let\and\relax
1291 }
1292 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1293 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1294     \futurelet\@tempa\uc@ax}%
1295 \def\uc@ax{%
1296     \ifx\@tempa\relax
1297     \else
1298     \ \andname \ \ \expandafter\uc@authornothanks
1299     \fi}
1300 \def\uc@tx{\ifx\@tempa\relax
1301     \else \expandafter\uc@ty \fi}
1302 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1303 \else
1304 \renewcommand*\maketitle{\par
1305     \begin{group}
1306     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1307     \def\@makefnmark{\rlap{%
1308         \@textsuperscript{\normalfont\@thefnmark}}}%
1309     \long\def\@makefntext{\@xmakefntext{%
1310         \@textsuperscript{\normalfont\@thefnmark}}}%
1311     \if@twocolumn
1312     \ifnum \col@number=\@ne
1313     \@maketitle
1314     \else
1315     \twocolumn[\@maketitle]%
1316     \fi

```



```

1317 \else
1318 \newpage
1319 \global\@topnum\z@
1320 \@maketitle
1321 \fi
1322 \thispagestyle{plain}\@thanks
1323 \endgroup
1324 \setcounter{footnote}{0}%
1325 \global\let\thanks\relax
1326 \global\let\maketitle\relax
1327 \global\let\@maketitle\relax
1328 \global\let\@thanks\@empty
1329 \global\let\@author\@empty
1330 \global\let\@title\@empty
1331 \global\let\@date\@empty
1332 \global\let\title\relax
1333 \global\let\author\relax
1334 \global\let\date\relax
1335 \global\let\and\relax
1336 }
1337 \def\@maketitle{%
1338 \newpage
1339 \null
1340 \vskip 2em%
1341 \if@titlecentered
1342 \begin{center}%
1343 \let \footnote \thanks
1344 {\LARGE \TitleFont \@title \par}%
1345 \vskip 1.5em%
1346 {\large \TitleFont
1347 \lineskip .5em%
1348 \begin{tabular}[t]{c}%
1349 \@author
1350 \end{tabular}\par}%
1351 \vskip 1em%
1352 {\large \TitleFont \@date}%
1353 \end{center}%
1354 \else
1355 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1356 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1357 \def\and{%% \begin{tabular} has already started
1358 \end{tabular}\hskip 1em plus .17fil
1359 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}%
1360 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
1361 \vskip 1em {\large \TitleFont \@date}
1362 \fi
1363 \par
1364 \vskip 1.5em}
1365 \fi

```

13 File arydshln-xetex-bidi.def

```

1366 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1367 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTL\begin{array}\endR\egroup\fi\egroup

```



```

1368 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1369 \expandafter\let\csname endtabular*\endcsname\endtabular
1370 \let\adl@array\@array
1371 \def\@array{\adl@everyvbox\everyvbox
1372     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1373     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1374     \let\adl@noalign\noalign
1375     \adl@array}
1376 \ifadl@usingarypkg
1377 \def\@testpach{\@chclass
1378 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1379 \ifnum \@lastchclass=7 5 \else
1380 \ifnum \@lastchclass=8 \tw@ \else
1381 \ifnum \@lastchclass=9 \thr@@
1382 \else \z@
1383 \ifnum \@lastchclass = 10 \else
1384 \edef\@nextchar{\expandafter\string\@nextchar}%
1385 \@chnum
1386 \if \@nextchar c\z@ \else
1387 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1388 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1389 \z@ \@chclass
1390 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1391 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1392 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1393 \if \@nextchar !6 \else
1394 \if \@nextchar @7 \else
1395 \if \@nextchar <8 \else
1396 \if \@nextchar >9 \else
1397 10
1398 \@chnum
1399 \if \@nextchar m\thr@@\else
1400 \if \@nextchar p4 \else
1401 \if \@nextchar b5 \else
1402 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1403 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1404
1405 \def\@classz{\@classx
1406     \@tempcnta \count@
1407     \prepnext@tok
1408     \@addtopreamble{\ifcase \@chnum
1409         \hfil
1410         \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1411         \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1412         \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1413         \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1414         \adl@endmbox\or
1415         \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1416         \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1417         \fi}\prepnext@tok}
1418 \def\adl@class@start{4}
1419 \def\adl@class@iiiorvii{7}
1420
1421 \else

```



```

1422 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1423     \ifnum \@lastchclass=\thr@@ 5\relax \else
1424         \z@ \if #1c\@chnum \z@ \else
1425             \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1426             \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1427         \@chclass
1428             \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1429             \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1430             \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1431             \if #1@\tw@ \else
1432             \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1433     \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1434
1435 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1436     \or \or \@addamp \or
1437     \@acolampacol \or \@firststampfalse \@acol \fi
1438     \edef\@preamble{\@preamble
1439         \ifcase \@chnum
1440             \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1441             \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1442             \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1443 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1444     \or \or \@addamp \or
1445     \@acolampacol \or \@firststampfalse \@acol \fi
1446     \edef\@preamble{\@preamble
1447         \ifcase \@chnum
1448             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1449             \or \adl@putlrc{\@sharp\unskip}\hfil
1450             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1451 \def\adl@class@start{6}
1452 \def\adl@class@iiiorvii{3}
1453 \fi
1454 \ifpackageloaded{colortbl}{%
1455 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1456 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1457     \let\@endpbox\adl@org@endpbox}
1458 \let\adl@CT@setup\CT@setup
1459 \def\CT@setup{\adl@CT@setup
1460     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1461     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1462     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1463 \let\adl@act@CT@setup\CT@setup
1464 \def\@classz{\@classx
1465     \@tempcnta\count@ \prepnext@tok
1466     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1467     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1468     \expandafter\adl@extract@drsc
1469         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1470     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1471     \@addtopreamble{\if@RTL\beginL\fi%
1472         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1473         \ifcase \@chnum
1474             \hskip\stretch{.5}\kern\z@
1475             \dollarbegin

```




```

1476             \insert@column
1477             \d@llarend\hskip\stretch{.5}%
1478         \or \d@llarbegin \insert@column \d@llarend \hfill
1479         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1480         \or $\vcenter
1481             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1482         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1483         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1484         \fi
1485     \if@RTL\endR\fi\egroup\egroup
1486     \beginngroup
1487         \CT@setup
1488         \CT@column@color
1489         \CT@row@color
1490         \CT@cell@color
1491         \CT@do@color
1492     \endgroup
1493     \@tempdima\ht\z@
1494     \advance\@tempdima\minrowclearance
1495     \vrule\@height\@tempdima\@width\z@
1496     \unhbox\z@\if@RTL\endL\fi}%
1497     \prepnext@tok}
1498 \let\adl@act@classz\@classz
1499 \let\adl@org@classz\@classz
1500 }{}

```

14 File beamer-xetex-bidi.def

```

1501 \ProvidesFile{beamer-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for beamer class for Xe
1502 \AtBeginDocument{%
1503     \if@RTLmain
1504         \raggedleft
1505     \else
1506         \raggedright
1507     \fi
1508 }
1509 \renewcommand*{\bidi@beamer@ragged}{%
1510     \if@RTL
1511         \raggedleft
1512     \else
1513         \raggedright
1514     \fi
1515 }

```

15 File beamerbaseauxtemplates-xetex-bidi.def

```

1516 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for be
1517 \bidi@csundef{beamer@tmpop@section in toc@ball}
1518
1519 \bidi@csundef{beamer@tmpop@subsection in toc@ball}
1520
1521 \bidi@csundef{beamer@tmpop@subsubsection in toc@ball}
1522
1523 \defbeamertemplate{section in toc}{ball}

```



```

1524 {\leavevmode\bidibeamer@leftskip=2.75ex%
1525 \llap{%
1526 \normalsize%
1527 \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1528 \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1529 \pgftext{%
1530 \usebeamerfont*{section number projected}%
1531 \usebeamercolor{section number projected}%
1532 \color{fg!90!bg}%
1533 \inserttocsectionnumber}
1534 \end{pgfpicture}%
1535 \kern1.25ex}%
1536 \inserttocsection\par
1537 }
1538 [action]
1539 {\setbeamerfont{section number projected}{size=\scriptsize}}
1540
1541 \defbeamertemplate{subsection in toc}{ball}
1542 {\leavevmode\bidibeamer@leftskip=5ex%
1543 \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1544 \inserttocsubsection\par%
1545 }
1546
1547 \defbeamertemplate{subsubsection in toc}{ball}
1548 {\leavevmode\normalsize\usebeamerfont{subsection in
1549 toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1550 \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1551 \inserttocsubsubsection\par%
1552 }
1553
1554 \bidicsundef{beamer@@tmpop@block begin@rounded}
1555
1556 \bidicsundef{beamer@@tmpop@block alerted begin@rounded}
1557
1558 \bidicsundef{beamer@@tmpop@block example begin@rounded}
1559
1560 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1561 {%
1562 \par\vskip\medskipamount%
1563 \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1564 {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1565 \bidibeamer@ragged%
1566 \usebeamerfont{block body}%
1567 }
1568
1569 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1570 {%
1571 \par\vskip\medskipamount%
1572 \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1573 {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1574 \bidibeamer@ragged%
1575 \usebeamerfont{block body alerted}%
1576 }%
1577

```



```

1578 \defbeamerteremplate{block example begin}{rounded}[1][shadow=false]
1579 {%
1580   \par\vskip\medskipamount%
1581   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]
1582     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1583     \bidi@beamer@ragged%
1584     \usebeamerfont{block body example}%
1585   }%
1586

```

16 File beamerbaseboxes-xetex-bidi.def

```

1587 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbas
1588 \renewcommand\beamerboxesrounded[2] [] {%
1589   \global\let\beamer@firstlineitemizeunskip=\relax%
1590   \vbox\bgroup%
1591   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1592   \setkeys{beamerboxes}{#1}%
1593   {%
1594     \usebeamercolor{\bmb@lower}%
1595     \globalcolorstrue%
1596     \colorlet{lower.bg}{bg}%
1597   }%
1598   {%
1599     \usebeamercolor{\bmb@upper}%
1600     \globalcolorstrue%
1601     \colorlet{upper.bg}{bg}%
1602   }%
1603   %
1604   % Typeset head
1605   %
1606   \vskip4bp
1607   \setbox\bmb@box=\hbox{%
1608     \begin{minipage}[b]{\bmb@width}%
1609       \usebeamercolor{fg}{\bmb@upper}%
1610       #2%
1611     \end{minipage}}%
1612   \ifdim\wd\bmb@box=0pt%
1613     \setbox\bmb@box=\hbox{}%
1614     \ht\bmb@box=1.5pt%
1615     \bmb@prevheight=-4.5pt%
1616   \else%
1617     \wd\bmb@box=\bmb@width%
1618     \bmb@temp=\dp\bmb@box%
1619     \ifdim\bmb@temp<1.5pt%
1620       \bmb@temp=1.5pt%
1621     \fi%
1622     \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1623     \dp\bmb@box=0pt%
1624     \bmb@prevheight=\ht\bmb@box%
1625   \fi%
1626   \bmb@temp=\bmb@width%
1627   \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1628   \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%

```



```

1629 \hbox{%
1630   \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1631     \ifdim\wd\bmb@box=0pt%
1632       \color{lower.bg}%
1633     \else%
1634       \color{upper.bg}%
1635     \fi%
1636     \pgfpathmoveto{-4bp}{-1bp}
1637     \pgfpathqcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1638     \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1639     \pgfpathcurveto%
1640       {\pgfpoint{\bmb@dima}{3bp}}%
1641       {\pgfpoint{\bmb@dimb}{1.2bp}}%
1642       {\pgfpoint{\bmb@dimb}{-1bp}}%
1643     \bmb@dima=-\ht\bmb@box%
1644     \advance\bmb@dima by-2pt%
1645     \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1646     \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1647     \pgfusepath{fill}
1648   \end{pgfpicture}%
1649   \copy\bmb@box%
1650 }%
1651 \nointerlineskip%
1652 \vskip-1pt%
1653 \ifdim\wd\bmb@box=0pt%
1654   \else%
1655   \hbox{%
1656     \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1657       \bmb@dima=\bmb@width%
1658       \advance\bmb@dima by8bp%
1659       \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1660       \pgfusepath{clip}
1661       {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading{\bmb@transi
1662     \end{pgfpicture}%
1663   }%
1664   \nointerlineskip%
1665   \vskip-0.5pt%
1666   \fi%
1667   \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}%
1668   \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1669     \vskip2pt%
1670     \usebeamercolor[fg]{\bmb@lower}%
1671     \colorlet{beamerstructure}{upper.bg}%
1672     \colorlet{structure}{upper.bg}%
1673     %\color{.}%
1674     \@bidi@list@minipage@parboxfalse
1675   }
1676
1677 \bidi\patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1678   \begingroup
1679   \@RTLfalse
1680 }{}{}
1681
1682

```



17 File beamerbasecolor-xetex-bidi.def

```

1683 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for beamerbas
1684 \renewenvironment{beamercolbox}[2] [] {%
1685   \def\beamer@vmode{\leavevmode}%
1686   \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1687     leftskip=0pt,rightskip=0pt plus1fil,%
1688     sep=0pt,colsep=0pt,colsep*=0pt,%
1689     shadow=false,rounded=false,ignorebg=false}%
1690   \setkeys{beamercolbox}{#1}%
1691   \ifbeamercoloreempty{bg}{#2}{\@tempswafalse}{\@tempswattrue}%
1692   \ifbeamer@colbox@ignorebg\@tempswafalse\fi%
1693   \def\beamer@colbox@color{#2}%
1694   \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1695   \if@RTL
1696     \@hboxRconstructtrue
1697   \else
1698     \@hboxRconstructfalse
1699   \fi
1700   \ifbeamer@colbox@ignorebg%
1701     \colorlet{beamer@temp@color}{bg}%
1702     \usebeamercolor{fg}{#2}%
1703     \colorlet{bg}{beamer@temp@color}%
1704   \else%
1705     \usebeamercolor{fg}{#2}%
1706   \fi%
1707   \vbox\bgroup%
1708   \hsize=\beamer@colbox@wd%
1709   \@arrayparboxrestore%
1710   \leftskip=\beamer@colbox@ls%
1711   \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
1712   \rightskip=\beamer@colbox@rs%
1713   \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
1714   \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
1715     \advance\leftskip by\beamer@colbox@colsep%
1716     \advance\rightskip by\beamer@colbox@colsep%
1717     \vskip\beamer@colbox@colsep%
1718   \fi%
1719   \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1720   \fi%
1721   \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1722   \beamer@vmode\ignorespaces}{%
1723   \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1724   \if@tempswa
1725     \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
1726     \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1727   \fi%
1728   \egroup\color@endgroup\egroup%
1729   \wd\beamer@tempbox=\beamer@colbox@wd%
1730   \ifx\beamer@colbox@ht\empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
1731   \ifx\beamer@colbox@dp\empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
1732   \ifbeamer@colbox@rounded%
1733     \if@tempswa%
1734     \begin{beamerboxesrounded}{%

```



```

1735     shadow=\beamer@colbox@shadow,%
1736     lower=\beamer@colbox@color,%
1737     upper=normal text,%
1738     width=\beamer@colbox@wd]{}%
1739     \box\beamer@tempbox%
1740   \end{beamerboxesrounded}%
1741   \else%
1742     \ifdim\wd\beamer@tempbox>\textwidth%
1743       \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
1744       \fi%
1745       \box\beamer@tempbox%
1746     \fi%
1747   \else%
1748     \if@tempswa\setbox\beamer@tempbox=\hbox{%
1749       \usebeamercolor{\beamer@colbox@color}%
1750       \hskip-\beamer@colbox@colseps%
1751       \fboxsep=\z@\colorbox{bg}{}%
1752       \hskip\beamer@colbox@colseps%
1753       \box\beamer@tempbox%
1754       \hskip\beamer@colbox@colseps%
1755     }%
1756     \hskip-\beamer@colbox@colseps%
1757     }\fi%
1758     \ifdim\wd\beamer@tempbox>\textwidth%
1759       \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box\
1760       \fi%
1761       \box\beamer@tempbox%
1762     \fi%
1763   }
1764
1765

```

18 File beamerbaseframecomponents-xetex-bidi.def

```

1766 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
1767 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
1768   \beamer@colclose%
1769   \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
1770 \begin{actionenv}#3%
1771   \setkeys{beamer@col}{#1}%
1772   \begin{minipage}[\beamer@colalign]{#2}%
1773     \leavevmode\ bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
1774
1775 \renewenvironment<>{columns}[1][{}]{%
1776   \begin{actionenv}#2%
1777     \ifbeamer@onlytextwidth
1778       \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
1779       \def\beamer@colexitcode{\unskip\egroup}
1780     \else%
1781       \def\beamer@colentrycode{%
1782         \hbox to\textwidth\bgroup%
1783         \leavevmode%
1784         \hskip-\beamer@leftmargin%
1785         \nobreak%

```



```

1786 \beamer@tempdim=\textwidth%
1787 \advance\beamer@tempdim by\beamer@leftmargin%
1788 \advance\beamer@tempdim by\beamer@rightmargin%
1789 \hbox to\beamer@tempdim\bgroup%
1790 \hbox{}\hfill\ignorespaces}%
1791 \def\beamer@colexitcode{\egroup%
1792 \nobreak%
1793 \hskip-\beamer@rightmargin\egroup}%
1794 \fi%
1795 \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
1796 \setkeys{beamer@col}{#1}%
1797 \par%
1798 \leavevmode
1799 \beamer@colentrycode%
1800 \def\beamer@colclose{}\ignorespaces}%
1801 {\beamer@colclose\def\beamer@colclose{}\beamer@colexitcode\end{actionenv}}%
1802
1803
1804 \def\@makeRTLfnstext#1{%
1805 \def\insertfootnotetext{#1}%
1806 \def\insertfootnotemark{\@makefnmark}%
1807 \usebeamertemplate***{RTLfootnote}}
1808
1809 \def\@makeLTRfnstext#1{%
1810 \def\insertfootnotetext{#1}%
1811 \def\insertfootnotemark{\@makefnmark}%
1812 \usebeamertemplate***{LTRfootnote}}
1813
1814 \renewcommand<>\beamer@framefootnotetext[1]{%
1815 \global\setbox\beamer@footins\vbox{%
1816 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1817 \hsize\framewidth
1818 \textwidth\hsize
1819 \columnwidth\hsize
1820 \unvbox\beamer@footins
1821 \reset@font
1822 \bidi@footnotetext@font
1823 \@parboxrestore
1824 \protected@edef\@currentlabel
1825 {\csname p@footnote\endcsname\@thefnmark}%
1826 \color@begingroup
1827 \uncover#2{\@makefnstext{%
1828 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
1829 \color@endgroup}}
1830
1831 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
1832 \global\setbox\beamer@footins\vbox{%
1833 \@RTLtrue
1834 \hsize\framewidth
1835 \textwidth\hsize
1836 \columnwidth\hsize
1837 \unvbox\beamer@footins
1838 \reset@font
1839 \bidi@RTLfootnotetext@font

```



```

1840 \parboxrestore
1841 \protected@edef\@currentlabel
1842     {\csname p@footnote\endcsname\@thefnmark}%
1843 \color@begingroup
1844     \uncover#2{\@makeRTLfnstext{%
1845         \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
1846 \color@endgroup}}
1847
1848 \renewcommand<>\beamer@frameLTRfootnotetext[1]{%
1849     \global\setbox\beamer@footins\vbox{%
1850         \RTLfalse
1851         \hsize\framewidth
1852         \textwidth\hsize
1853         \columnwidth\hsize
1854         \unvbox\beamer@footins
1855         \reset@font
1856         \bidi@@LTRfootnotetext@font
1857         \@parboxrestore
1858         \protected@edef\@currentlabel
1859             {\csname p@footnote\endcsname\@thefnmark}%
1860         \color@begingroup
1861             \uncover#2{\@makeLTRfnstext{%
1862                 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
1863         \color@endgroup}}
1864
1865 \renewcommand<>\@mpfootnotetext[1]{%
1866     \global\setbox\@mpfootins\vbox{%
1867         \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule\fi\fi\fi
1868         \unvbox\@mpfootins
1869         \reset@font
1870         \bidi@@footnotetext@font
1871         \hsize\columnwidth
1872         \@parboxrestore
1873         \protected@edef\@currentlabel
1874             {\csname p@mpfootnote\endcsname\@thefnmark}%
1875         \color@begingroup
1876             \uncover#2{\@makefnstext{%
1877                 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
1878         \color@endgroup}}
1879
1880 \renewcommand<>\@mpRTLfootnotetext[1]{%
1881     \global\setbox\@mpfootins\vbox{%
1882         \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule\fi\fi\fi
1883         \unvbox\@mpfootins
1884         \reset@font
1885         \bidi@@RTLfootnotetext@font
1886         \hsize\columnwidth
1887         \@parboxrestore
1888         \protected@edef\@currentlabel
1889             {\csname p@mpfootnote\endcsname\@thefnmark}%
1890         \color@begingroup
1891             \uncover#2{\@makeRTLfnstext{%
1892                 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
1893         \color@endgroup}}

```




```

1894
1895 \renewcommand<>\@mpLTRfootnotetext[1]{%
1896   \global\setbox\@mpfootins\vbox{%
1897     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footn
1898     \unvbox\@mpfootins
1899     \reset@font
1900     \bidi@@LTRfootnotetext@font
1901     \hsize\columnwidth
1902     \@parboxrestore
1903     \protected@edef\@currentlabel
1904       {\csname p@mpfootnote\endcsname\@thefnmark}%
1905     \color@begingroup
1906       \uncover#2{\@makeLTRfntext{%
1907         \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
1908     \color@endgroup}}
1909
1910 \let\@footnotetext=\beamer@framefootnotetext
1911 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
1912 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
1913
1914 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1915 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
1916 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
1917
1918 \renewcommand<>{\footnote}[1][]{%
1919   \let\beamer@footnotetext=\@footnotetext%
1920   \let\beamer@mpfn=\@mpfn%
1921   \let\beamer@thempfn=\thempfn%
1922   \let\beamer@kvorig=\KV@errx%
1923   \let\beamer@xkvorig=\XKV@err
1924   \def\beamer@footarg{}%
1925   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
1926   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
1927   \setkeys{beamerfootnote}{#1}%
1928   \let\KV@errx=\beamer@kvorig%
1929   \let\XKV@errx=\beamer@xkvorig%
1930   \ifx\beamer@footarg\@empty%
1931     \def\beamer@next{\stepcounter\beamer@mpfn
1932       \protected@xdef\@thefnmark{\beamer@thempfn}%
1933       \@footnotemark\beamer@footnotetext#2}%
1934   \else%
1935     \def\beamer@next{%
1936       \begingroup
1937         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
1938         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
1939       \endgroup
1940       \@footnotemark\beamer@footnotetext#2}%
1941   \fi%
1942   \beamer@next}
1943
1944 \renewcommand<>{\RTLfootnote}[1][]{%
1945   \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
1946   \let\beamer@mpfn=\@mpfn%
1947   \let\beamer@thempfn=\thempfn%

```



```

1948 \let\beamer@kvorig=\KV@errx%
1949 \let\beamer@xkvorig=\XKV@err
1950 \def\beamer@footarg{%
1951 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
1952 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
1953 \setkeys{beamerfootnote}{#1}%
1954 \let\KV@errx=\beamer@kvorig%
1955 \let\XKV@errx=\beamer@xkvorig
1956 \ifx\beamer@footarg\@empty%
1957 \def\beamer@next{\stepcounter\beamer@mpfn
1958 \protected@xdef\@thefnmark{\beamer@thempfn}%
1959 \@footnotemark\beamer@RTLfootnotetext#2}%
1960 \else%
1961 \def\beamer@next{%
1962 \begingroup
1963 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
1964 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
1965 \endgroup
1966 \@footnotemark\beamer@footnotetext#2}%
1967 \fi%
1968 \beamer@next}
1969
1970 \renewcommand<>{\LTRfootnote}[1][\%
1971 \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
1972 \let\beamer@mpfn=\@mpfn%
1973 \let\beamer@thempfn=\thempfn%
1974 \let\beamer@kvorig=\KV@errx%
1975 \let\beamer@xkvorig=\XKV@err
1976 \def\beamer@footarg{%
1977 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
1978 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
1979 \setkeys{beamerfootnote}{#1}%
1980 \let\KV@errx=\beamer@kvorig%
1981 \let\XKV@errx=\beamer@xkvorig
1982 \ifx\beamer@footarg\@empty%
1983 \def\beamer@next{\stepcounter\beamer@mpfn
1984 \protected@xdef\@thefnmark{\beamer@thempfn}%
1985 \@footnotemark\beamer@LTRfootnotetext#2}%
1986 \else%
1987 \def\beamer@next{%
1988 \begingroup
1989 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
1990 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
1991 \endgroup
1992 \@footnotemark\beamer@footnotetext#2}%
1993 \fi%
1994 \beamer@next}
1995
1996

```

19 File beamerbaselocalstructure-xetex-bidi.def

```

1997 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
1998 \def\beamer@enum{%

```



```

1999 \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2000 \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2001 \bgroup
2002 \usebeamerfont{fg}[fg]{itemize/enumerate \beameritemnestingprefix body}%
2003 \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2004 \egroup
2005 \expandafter
2006 \list
2007 {\usebeamertemplate{\beamer@enumtempl}}
2008 {\usecounter\@enumctr%
2009 \def\makelabel##1{\hss\llap{\hss
2010 \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2011 \usebeamerfont{fg}[fg]{enumerate \beameritemnestingprefix item}##1}}}%
2012 \beamer@cramped%
2013 \bidi@beamer@ragged%
2014 \beamer@firstlineitemizeunskip%
2015 }
2016
2017 \renewcommand{\itemize}[1][\hss]{%
2018 \ifblank{#1}{\def\beamer@defaulttospec{#1}}%
2019 \ifnum \@itemdepth >2\relax\@toodeep\else
2020 \advance\@itemdepth\@ne
2021 \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2022 \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2023 \bgroup
2024 \usebeamerfont{fg}[fg]{itemize/enumerate \beameritemnestingprefix body}%
2025 \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2026 \egroup
2027 \list
2028 {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2029 {\def\makelabel##1{%
2030 {%
2031 \hss\llap{\hss
2032 \usebeamerfont*{itemize \beameritemnestingprefix item}%
2033 \usebeamerfont{fg}[fg]{itemize \beameritemnestingprefix item}##1}}}%
2034 }%
2035 }%
2036 }
2037 \fi%
2038 \beamer@cramped%
2039 \bidi@beamer@ragged%
2040 \beamer@firstlineitemizeunskip%
2041 }
2042
2043 \def\@@description{%
2044 \advance\beamer@descdefault by \labelsep%
2045 \usebeamerfont{description body}%
2046 \bgroup
2047 \usebeamerfont{fg}[fg]{description body}%
2048 \usebeamertemplate{description body begin}%
2049 \egroup
2050 \list
2051 {}
2052 {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descrip

```



```

2053 \beamer@cramped%
2054 \bidi@beamer@ragged
2055 \beamer@firstlineitemizeunskip%
2056 }
2057
2058 \renewenvironment{thebibliography}[1]
2059 {%\leavevmode\unskip%
2060 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2061 \bidi@thebibliography@font@hook%
2062 \list{\@biblabel{\@arabic{c@enumiv}}}%
2063         {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2064         \leftmargin\labelwidth
2065         \advance\leftmargin\labelsep
2066         \itemsep=0pt%
2067         \partopsep=0pt%
2068         \topsep=0pt%
2069         \usecounter{enumiv}}%
2070         \let\p@enumiv\@empty
2071         \renewcommand\theenumiv{\@arabic{c@enumiv}}
2072         \let\makelabel\beamer@biblabeltemplate}%
2073 \sloppy\bidi@beamer@ragged
2074 \clubpenalty10000
2075 \@clubpenalty \clubpenalty
2076 \widowpenalty10000%
2077 \sfcode`.\@m}
2078 {\def\@noitemerr
2079   {\@latex@warning{Empty `thebibliography' environment}}}%
2080 \ifhmode\unskip\fi\endlist}
2081
2082

```

20 File beamerinnerthemedefault-xetex-bidi.def

```

2083 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/01 v0.2 bidi adaptations for b
2084 \newcommand*{\bidi@beamer@leftskip}{%
2085   \if@RTL
2086     \rightskip
2087   \else
2088     \leftskip
2089   \fi
2090 }
2091
2092 \newcommand*{\bidi@beamer@rightskip}{%
2093   \if@RTL
2094     \leftskip
2095   \else
2096     \rightskip
2097   \fi
2098 }
2099
2100 \bidi@csundef{beamer@tmpop@subsection in toc@default}
2101
2102 \bidi@csundef{beamer@tmpop@subsubsection in toc@default}
2103

```



```

2104 \defbeamertemplate*{subsection in toc}{default}
2105 {\leavevmode\bidibeamer@leftskip=1.5em\inserttocsubsection\par}
2106
2107 \defbeamertemplate*{subsubsection in toc}{default}
2108 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidibeamer@leftskip=3em%
2109 \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2110
2111 \newcommand*{\bidibeamer@blacktriangle}{%
2112 \if@RTL
2113   $\blacktriangleleft$%
2114 \else
2115   $\blacktriangleright$%
2116 \fi
2117 }
2118
2119 \bidicsundef{beamer@@tmpop@itemize item@default}
2120
2121 \bidicsundef{beamer@@tmpop@itemize subitem@default}
2122
2123 \bidicsundef{beamer@@tmpop@itemize subsubitem@default}
2124
2125 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\d
2126 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\hb
2127 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1.
2128
2129 \bidicundef\beamer@@tmpop@footnote@default
2130
2131 \defbeamertemplate*{footnote}{default}
2132 {
2133 \parindent 1em\noindent%
2134 \bidibeamer@ragged
2135 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2136 }
2137
2138 \defbeamertemplate*{RTLfootnote}{default}
2139 {
2140 \parindent 1em\noindent%
2141 \raggedleft
2142 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2143 }
2144
2145 \defbeamertemplate*{LTRfootnote}{default}
2146 {
2147 \parindent 1em\noindent%
2148 \raggedright
2149 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2150 }
2151
2152 \bidicundef\beamer@@tmpop@caption@default
2153
2154 \defbeamertemplate*{caption}{default}
2155 {%
2156 \bidibeamer@ragged
2157 {%

```



```

2158 \leavevmode
2159 \usebeamercolor[fg]{caption name}%
2160 \usebeamerfont*{caption name}%
2161 \insertcaptionname
2162 \usebeamertemplate{caption label separator}%
2163 }%
2164 \insertcaption\par
2165 }
2166
2167

```

21 File beamerinnerthemeroounded-xetex-bidi.def

```

2168 \ProvidesFile{beamerinnerthemeroounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
2169 \setbeamertemplate{blocks}[rounded] [shadow=\beamer@themeroounded@shadow]
2170 \setbeamertemplate{items}[ball]
2171 \setbeamertemplate{sections/subsections in toc}[ball]
2172

```

22 File beamerouterthemeinfolines-xetex-bidi.def

```

2173 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for
2174 \bidi@csundef{beamer@tmpop@footline@infolines theme}
2175
2176 \defbeamertemplate*{footline}{infolines theme}
2177 {%
2178 \leavevmode%
2179 \hbox{%
2180 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}%
2181 \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\b
2182 \end{beamercolorbox}%
2183 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}%
2184 \usebeamerfont{title in head/foot}\insertshorttitle
2185 \end{beamercolorbox}%
2186 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,s
2187 \hfill%
2188 \usebeamerfont{date in head/foot}%
2189 \insertshortdate{}}%
2190 \hfill%
2191 \bgroup
2192 \usebeamercolor[fg]{page number in head/foot}%
2193 \usebeamerfont{page number in head/foot}%
2194 \usebeamertemplate{page number in head/foot}%
2195 \egroup
2196 \end{beamercolorbox}}}%
2197 \vskip0pt%
2198 }
2199
2200

```

23 File beamerouterthemesplit-xetex-bidi.def

```

2201 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for bea
2202 \bidi@csundef{beamer@tmpop@footline@split theme}

```



```

2203
2204 \defbeamertertemplate*{footline}{split theme}
2205 {%
2206   \leavevmode%
2207   \hbox{\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,
2208     \usebeamerfont{author in head/foot}\insertshortauthor
2209   \end{beamercolorbox}}%
2210   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm plus1fill,
2211     \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bggroup\usebeamercolor{
2212   \end{beamercolorbox}}}%
2213   \vskip0pt%
2214 }
2215
2216

```

24 File beamerouterthemeshadow-xetex-bidi.def

```

2217 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamer]
2218 \bidi@csundef{beamer@tmpop@frametitle@shadow theme}
2219
2220 \defbeamertertemplate*{frametitle}{shadow theme}
2221 {%
2222   \nointerlineskip%
2223   \vskip-2pt%
2224   \hbox{\leavevmode
2225     \advance\beamer@leftmargin by -12bp%
2226     \advance\beamer@rightmargin by -12bp%
2227     \beamer@tempdim=\textwidth%
2228     \advance\beamer@tempdim by \beamer@leftmargin%
2229     \advance\beamer@tempdim by \beamer@rightmargin%
2230     \hskip-\Gm@lmargin\hbox{%
2231       \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
2232         \vbox{\vskip-.75ex%
2233           \bidi@beamer@leftskip0.3cm%
2234           \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
2235           \bggroup\usebeamercolor{fg}{frametitle}\usebeamerfont{frametitle}\strut\insertframesubtitle
2236           \ifx\insertframesubtitle@empty\else%
2237             {\usebeamerfont*{framesubtitle}{\usebeamercolor{fg}{framesubtitle}\insertframesubtitle}%
2238           \fi%
2239           \nointerlineskip
2240           \vbox{}}%
2241         \end{minipage}}}%
2242       \beamer@tempdim=\ht\beamer@tempbox%
2243       \advance\beamer@tempdim by 2pt%
2244       \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
2245         \begin{pgfscope}
2246           \pgfsetfillcolor{black}%
2247           \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
2248           \pgfsetfading{beamer@topshadowmask}{}%
2249           \pgfusepath{fill}%
2250         \end{pgfscope}
2251         \begin{pgfscope}
2252           \usebeamercolor{frametitle right}%
2253           \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%

```



```

2254         \pgfusepath{clip}%
2255         \pgftext[left,base]{\pgfuses shading{beamer@frametitleshade}}%
2256         \end{pgfscope}
2257         \end{pgfpicture}
2258         \hskip-\paperwidth%
2259         \box\beamer@tempbox%
2260     }%
2261     \hskip-\Gm@rmargin%
2262 }%
2263 \vskip-2pt
2264 }
2265
2266

```

25 File bidi.sty

```

2267 \NeedsTeXFormat{LaTeX2e}
2268 \def\bididate{2022/06/01}
2269 \def\bidi@version{37.2}
2270 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
2271 Bidirectional typesetting in plain TeX and LaTeX]
2272 \edef\@bidi@info{*****~J%
2273 * ~J%
2274 * bidi package (Bidirectional typesetting in~J%
2275 * plain TeX and LaTeX, using XeTeX engine)~J%
2276 * ~J%
2277 * Description: A convenient interface for~J%
2278 * typesetting bidirectional texts in plain TeX~J%
2279 * and LaTeX. The package includes adaptations~J%
2280 * for use with many other commonly-used packages.~J%
2281 * ~J%
2282 * Copyright (c) 2007--2022 Vafa Khalighi~J%
2283 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%
2284 * ~J%
2285 * v\bidi@version, \bididate~J%
2286 * ~J%
2287 * License: LaTeX Project Public License, version~J%
2288 * 1.3c or higher (your choice)~J%
2289 * ~J%
2290 * Location on CTAN: /macros/xetex/latex/bidi~J%
2291 * ~J%
2292 * Issue tracker: https://github.com/kvafa/bidi/issues~J%
2293 * ~J%
2294 * Discussions: https://github.com/kvafa/bidi/discussions~J%
2295 * ~J%
2296 * Primary author of bidi package: Vafa Khalighi.~J%
2297 * ~J%
2298 *****}
2299 \typeout{\@bidi@info}
2300 \edef\bidi@everyjob{\the\everyjob}
2301 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
2302 \newcommand*\bidi@version{\ensuremath\bidi@version}
2303 \newcommand*\IfbidiPackageVersionLater}[1]{%
2304   \ifdim\bidi@version pt > #1 pt %

```




```

2305 \expandafter\@firstoftwo
2306 \else
2307 \expandafter\@secondoftwo
2308 \fi}
2309 \newcommand*\IfbidiPackageVersionBefore}[1]{%
2310 \ifdim\bidi@version pt < #1 pt %
2311 \expandafter\@firstoftwo
2312 \else
2313 \expandafter\@secondoftwo
2314 \fi}
2315 \newcommand*\IfbidiPackageVersion}[1]{%
2316 \ifdim\bidi@version pt = #1 pt %
2317 \expandafter\@firstoftwo
2318 \else
2319 \expandafter\@secondoftwo
2320 \fi}
2321 \RequirePackage{iftex}
2322 \RequireXeTeX
2323 \RequirePackage{bidiutils}
2324 \RequirePackage{zref-abspage}
2325 \RequirePackage{auxhook}
2326 \RequirePackage{ltxcmds}
2327 \RequirePackage{xkeyval}
2328 \eqnewif{\if@RTLmain}{\if@rlmain}
2329 \eqnewif{\if@RTL}{\if@rl}
2330 \newif\if@nonlatin
2331 \newif\if@bidi@perpage@footnote
2332 \newcommand*\setlatin{\@nonlatinfalse}
2333 \newcommand*\setnonlatin{\@nonlatintrue}
2334 \eqnewif{\if@RTLtab}{\if@tab@rl}
2335 \newif\if@hboxRconstruct
2336 \newif\if@bidi@pdfencrypt
2337 \newcommand*\setRTLtable{\@RTLtabtrue}
2338 \newcommand*\setLTRtable{\@RTLtabfalse}
2339 \newif\if@bidi@pdfmark
2340 \newif\if@RTLMarginpar
2341 \newif\if@LTRmarginpar
2342 \newif\if@LTRbibitems
2343 \newif\if@RTLbibitems
2344 \newif\if@extrafootnotefeatures
2345 \newif\if@RTLcolumnfootnotes
2346 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
2347 \newif\if@bidi@list@minipage@parbox
2348 \newif\if@bidi@list@minipage@parbox@not@nob
2349 \newcommand*\@bidi@pdfcreator{%
2350 The bidi package, v\bidi@version, \bididate
2351 }
2352 \newcommand*\@bidi@pdfproducer{%
2353 The bidi package, v\bidi@version, \bididate
2354 }
2355 \newcommand*\@bidi@pdfcustomproperties{%
2356 This is the bidi package, Version \bidi@version,
2357 Released June 1, 2022.
2358 }

```



```

2359 \newcommand*{\bidi@beamer@ragged}{%
2360 \@RTLmainfalse
2361 \AtBeginDocument{%
2362   \if@RTLmain\else
2363     \if@RTL\@RTLmaintrue%
2364     \else\@RTLmainfalse%
2365     \fi%
2366   \fi%
2367 }
2368 \let\n@xt=\
2369 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
2370 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
2371 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
2372 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
2373 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
2374   \errmessage{Missing left brace has been substituted}\fi \bgroup}
2375 \newinsert\@bidi@copyins@
2376 \skip\@bidi@copyins@=12\p@
2377 \dimen\@bidi@copyins@=40pc
2378 \count\@bidi@copyins@=1000
2379 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
2380 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
2381   \if@RTLmain
2382     \if@twocolumn
2383       \hboxR to \columnwidth
2384     \else
2385       \hboxR to \textwidth
2386     \fi
2387   \else
2388     \if@twocolumn
2389       \hboxL to \columnwidth
2390     \else
2391       \hboxL to \textwidth
2392     \fi
2393   \fi
2394 }
2395 \newcommand*{\@bidi@logo}[1]{%
2396   \toks@{%
2397     \setbox\z@\hbox{%
2398       \special{%
2399         pdf:image width 50pt height 50pt (#1)%
2400       }
2401     }%
2402     \dp\z@=\z@
2403     \ht\z@=50pt
2404     \wd\z@=50pt
2405     \beginL
2406       \lower20pt\box\z@
2407     \endL
2408   }%
2409   \the\toks@
2410 }
2411 \newcommand*{\@bidi@logo@}{%
2412   \@bidi@logo@hb@xt@columnwidth

```



```

2413     {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
2414       package\quad\@bidi@logo{bidi-logo.pdf}}}}
2415 \define@key{bidi@pdfencrypt}{userpassword}[]{%
2416   \def\bidi@pdfencrypt@userpassword{#1}%
2417 }
2418 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
2419   \def\bidi@pdfencrypt@ownerpassword{#1}%
2420 }
2421 \define@key{bidi@pdfencrypt}{keylength}[128]{%
2422   \def\bidi@pdfencrypt@keylength{#1}%
2423 }
2424 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
2425   \def\bidi@pdfencrypt@permissionflags{#1}%
2426 }
2427 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
2428 \@onlypreamble\pdfencryptsetup
2429 \input{latex-xetex-bidi.def}
2430 \input{loadingorder-xetex-bidi.def}
2431 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2432   \ifcase\bidi@tempb\relax
2433     \@RTLtrue
2434   \or
2435     \@RTLfalse
2436   \fi}
2437 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefftorig
2438   \ifcase\bidi@tempb\relax
2439     \@RTLtrue
2440   \or
2441     \@RTLfalse
2442   \fi}
2443 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefftorig
2444   \ifcase\bidi@tempb\relax
2445     \@RTLtabtrue
2446   \or
2447     \@RTLtabfalse
2448   \fi}
2449 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
2450   \ifcase\bidi@tempb\relax
2451     \@nonlatinfalse
2452   \or
2453     \@nonlatintrue
2454   \fi}
2455 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2456   \ifcase\bidi@tempb\relax
2457     \@RTLtrue
2458   \or
2459     \@RTLfalse
2460   \fi}
2461 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split
2462   \ifcase\bidi@tempb\relax
2463     \autofootnoterule
2464   \or
2465     \leftfootnoterule
2466   \or

```



```

2467 \rightfootnoterule
2468 \or
2469 \SplitFootnoteRule
2470 \or
2471 \textwidthfootnoterule
2472 \fi}
2473 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
2474 \ifcase\bidi@tempb\relax
2475 \RTL@footnotetrue
2476 \or
2477 \RTL@footnotefalse
2478 \fi}
2479 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2480 \ifcase\bidi@tempb\relax
2481 \footdir@debugtrue
2482 \or
2483 \footdir@debugfalse
2484 \fi}
2485 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2486 \ifcase\bidi@tempb\relax
2487 \@extrafootnotefeaturestrue
2488 \or
2489 \@extrafootnotefeaturesfalse
2490 \fi}
2491
2492 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2493 \ifcase\bidi@tempb\relax
2494 \def\bidi@firstcolumn@status@write{%
2495 \protected@write\@auxout{%
2496 {\string\bidi@column@status
2497 {1}}}%
2498 \def\bidi@lastcolumn@status@write{%
2499 \protected@write\@auxout{%
2500 {\string\bidi@column@status{2}}}%
2501 \or
2502 \let\bidi@firstcolumn@status@write\relax
2503 \let\bidi@lastcolumn@status@write\relax
2504 \fi}
2505
2506 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2507 \ifcase\bidi@tempb\relax
2508 \AtBeginDocument{\@bidi@inslogo@}%
2509 \or
2510 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
2511 \fi}
2512
2513 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2514 \ifcase\bidi@tempb\relax
2515 \@bidi@pdfm@marktrue
2516 \or
2517 \@bidi@pdfm@markfalse
2518 \fi}
2519
2520 % The `perpagefootnote' option is documented in UK TeX FAQ at

```



```

2521 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
2522
2523 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2524   \ifcase\bidi@tempb\relax
2525     \@bidi@perpage@footnotetrue
2526   \or
2527     \@bidi@perpage@footnotefalse
2528   \fi}
2529
2530 \ExecuteOptionsX{%
2531   DetectColumn=off%
2532 }
2533
2534 \ProcessOptionsX
2535
2536 \pdfencryptsetup{%
2537   userpassword,%
2538   ownerpassword,%
2539   keylength,%
2540   permissionflags%
2541 }
2542
2543 \if@extrafootnotefeatures
2544   \input{extrafootnotefeatures-xetex-bidi.def}
2545 \fi
2546 \newcount\bidi@digits
2547 \XeTeXinterchartokenstate=\@ne
2548 \newXeTeXintercharclass\bidi@digits@charclass
2549 \newXeTeXintercharclass\bidi@sepmark@charclass
2550 \XeTeXcharclass \bidi@sepmark@charclass
2551 \XeTeXcharclass \bidi@sepmark@charclass
2552 \bidi@digits=\@0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
2553 \bidi@digits=\@ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
2554 \bidi@digits=\@ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
2555 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCh
2556 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
2557 \bidi@AtEndPreamble{%
2558   \if@bidi@perpage@footnote
2559     \RequirePackage{bidi-perpage}%
2560     \ResetCounterPerPage{footnote}%
2561   \fi
2562   \ifx\bidi@pdfencrypt@ownerpassword\bidi@empty
2563     \ifx\bidi@pdfencrypt@userpassword\bidi@empty
2564       \@bidi@pdfencryptfalse
2565     \else
2566       \@bidi@pdfencrypttrue
2567     \fi
2568   \else
2569     \@bidi@pdfencrypttrue
2570   \fi
2571   \if@bidi@pdfencrypt
2572     \special{pdf:encrypt
2573       userpw (\bidi@pdfencrypt@userpassword)
2574       ownerpw (\bidi@pdfencrypt@ownerpassword)

```



```

2575     length \bidi@pdfencrypt@keylength
2576     perm \bidi@pdfencrypt@permissionflags
2577   }%
2578 \fi
2579 }
2580 \AtEndDocument{%
2581   \special{pdf:
2582     docinfo<<%
2583     \if@bidi@pdfm@mark
2584       /Creator(\@bidi@pdfcreator)%
2585       /Producer(\@bidi@pdfproducer)%
2586     \fi
2587     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
2588     \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
2589       /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
2590     }{}%
2591     >>%
2592   }%
2593 }

```

26 File bidi.tex

```

2594 \def\bididate{2022/06/01}
2595 \catcode\@=11
2596 \def\bidi@version{37.2}
2597 \let \protect \relax
2598 \newlinechar`^^J
2599 \edef\@bidi@info{*****^^J%
2600 * ^^J%
2601 * bidi package (Bidirectional typesetting in^^J%
2602 * plain TeX and LaTeX, using XeTeX engine)^^J%
2603 * ^^J%
2604 * Description: A convenient interface for^^J%
2605 * typesetting bidirectional texts in plain TeX^^J%
2606 * and LaTeX. The package includes adaptations^^J%
2607 * for use with many other commonly-used packages.^^J%
2608 * ^^J%
2609 * Copyright (c) 2007--2022 Vafa Khalighi^^J%
2610 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
2611 * ^^J%
2612 * v\bidi@version, \bididate^^J%
2613 * ^^J%
2614 * License: LaTeX Project Public License, version^^J%
2615 * 1.3c or higher (your choice)^^J%
2616 * ^^J%
2617 * Location on CTAN: /macros/xetex/latex/bidi^^J%
2618 * ^^J%
2619 * Issue tracker: https://github.com/kvafa/bidi/issues^^J%
2620 * ^^J%
2621 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
2622 * ^^J%
2623 * Primary author of bidi package: Vafa Khalighi.^^J%
2624 * ^^J%
2625 *****}

```



```

2626 \message{\@bidi@info}
2627 \edef\bidi@everyjob{\the\everyjob}
2628 \everyjob{\bidi@everyjob\message{\@bidi@info}}
2629 \def\bidi@version{%
2630   \relax
2631   \ifmmode
2632     \bidi@version
2633   \else
2634     $\bidi@version$
2635   \fi
2636 }
2637 \input iftex.sty
2638 \RequireXeTeX
2639 \newif\if@bidi@pdfm@mark
2640 \newif\if@RTLmain
2641 \newif\if@RTL
2642 \newif\if@hboxRconstruct
2643 \newif\if@sentedir
2644 \newif\if@RTL@footnote
2645 \@RTLmainfalse
2646 \def\setRTLmain{%
2647   \if@RTLmain\else
2648     \if@RTL\@RTLmaintrue%
2649     \else\@RTLmainfalse%
2650     \fi%
2651   \fi%
2652 }
2653 \let\n@xt=\
2654 \protected\def\LRE{\protect\pLRE}%
2655 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
2656 \protected\def\RLE{\protect\pRLE}
2657 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
2658 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
2659   \errmessage{Missing left brace has been substituted}\fi \bgroup}
2660 \newinsert\@bidi@copyins@
2661 \skip\@bidi@copyins@=12\p@
2662 \dimen\@bidi@copyins@=40pc
2663 \count\@bidi@copyins@=1000
2664 \def\@bidi@inslogo@{\insert\@bidi@copyins@\@bidi@logo@}
2665 \def\@bidi@logo@hb@xt@{%
2666   \if@RTLmain
2667     \hboxR to
2668   \else
2669     \hboxL to
2670   \fi
2671 }
2672 \def\@bidi@logo#1{%
2673   \toks@{%
2674     \setbox\z@\hbox{%
2675       \special{%
2676         pdf:image width 50pt height 50pt (#1)%
2677       }
2678     }%
2679     \dp\z@\z@

```



```

2680 \ht\z@=50pt
2681 \wd\z@=50pt
2682 \beginL
2683 \lower20pt\box\z@
2684 \endL
2685 }%
2686 \the\toks@
2687 }
2688 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@
2689 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
2690 \def\@bidi@pdfcreator{%
2691 The bidi package, v\@bidi@version, \@bidi@date
2692 }
2693 \def\@bidi@pdfproducer{%
2694 The bidi package, v\@bidi@version, \@bidi@date
2695 }
2696 \def\@bidi@pdfcustomproperties{%
2697 This is the bidi package, Version \@bidi@version,
2698 Released June 1, 2022.
2699 }
2700 \def\@bidi@pdfm@mark{%
2701 \special{pdf:
2702 docinfo<<%
2703 \if\@bidi@pdfm@mark
2704 /Creator(\@bidi@pdfcreator)%
2705 /Producer(\@bidi@pdfproducer)%
2706 \fi
2707 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
2708 >>%
2709 }%
2710 }
2711 \def\@bidi@pdfinfoon{\@bidi@pdfm@marktrue}
2712 \def\@bidi@pdfinfooff{\@bidi@pdfm@markfalse}
2713 \input plain-xetex-bidi.def
2714 \@bidi@inslogo@
2715 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark\end}
2716 \catcode`\@=12
2717 \@bidi@pdfinfoon

```

27 File bidi2in1.sty

```

2718 \NeedsTeXFormat{LaTeX2e}
2719 \ProvidesPackage{bidi2in1}
2720 \pagestyle{plain}
2721 \newcount\evenpage
2722 \newcount\oddpage
2723 \twocolumn
2724 \def\@oddfoot{\evenpage=\thepage%
2725 \multiply\evenpage by 2%
2726 \oddpage=\the\evenpage%
2727 \advance\oddpage by -1%
2728 \hfil\the\evenpage\hfil\hfil\the\oddpage\hfil}%
2729 \def\@evenfoot{\evenpage=\thepage%
2730 \multiply\evenpage by 2%

```




```

2731 \oddpaper=\the\evenpage%
2732 \advance\oddpaper by -1%
2733 \hfil\the\oddpaper\hfil\hfil\the\evenpage\hfil}%
2734 \textwidth 9.49in
2735 \textheight 6.7in
2736 \columnsep 0.9in
2737 \columnseprule 0.125pt
2738 \headheight 0cm
2739 \topmargin 0in
2740 \marginparwidth 0in
2741 \marginparsep 0in
2742 \hoffset 0.05in % Corrected
2743 \voffset -0.5in %top margin space is 1.0in by default
2744 \oddsidemargin 0in
2745 \evensidemargin 0in
2746 \headsep 0cm
2747 \topskip 0cm
2748 \parskip 0.15in %
2749 \headsep 0pt
2750 \special{papersize=11.69in,8.26in}
2751 \renewcommand\maketitle{\par
2752 \begingroup
2753 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
2754 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
2755 \long\def\@makefntext##1{\parindent 1em\noindent
2756 \hb@xt@1.8em{%
2757 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
2758 \@maketitle
2759 \@thanks
2760 \endgroup
2761 \setcounter{footnote}{0}%
2762 \global\let\thanks\relax
2763 \global\let\maketitle\relax
2764 \global\let\@maketitle\relax
2765 \global\let\@thanks\@empty
2766 \global\let\@author\@empty
2767 \global\let\@date\@empty
2768 \global\let\@title\@empty
2769 \global\let\title\relax
2770 \global\let\author\relax
2771 \global\let\date\relax
2772 \global\let\and\relax
2773 }

```

28 File bidicode.sty

```

2774 \NeedsTeXFormat{LaTeX2e}
2775 \ProvidesPackage{bidicode}
2776 \RequirePackage{xcolor}
2777 \RequirePackage{showexpl}
2778 \definecolor{hellgelb}{rgb}{1,1,0.85}
2779 \definecolor{colKeys}{rgb}{0,0,1}
2780 \definecolor{colIdentifier}{rgb}{0,0,0}
2781 \definecolor{colComments}{rgb}{1,0,0}

```



```

2782 \definecolor{colString}{rgb}{0,0.5,0}
2783 \lstset{
2784     language=[LaTeX]TEX,
2785     float=hbp,
2786     basicstyle=\ttfamily\small,
2787     identifierstyle=\color{colIdentifier},
2788     keywordstyle=\color{colKeys},
2789     stringstyle=\color{colString},
2790     commentstyle=\color{colComments},
2791     backgroundcolor=\color{hellgelb},
2792     columns=flexible,
2793     tabsize=4,
2794     extendedchars=true,
2795     showspace=false,
2796     showstringspaces=false,
2797     numbers=left,
2798     numbersep=0.9em,
2799     numberstyle=\tiny, %
2800     frame=single,
2801     captionpos=b,
2802     xleftmargin=1em,
2803     breaklines=true,
2804     breakautoindent=false,
2805     breakindent=0pt,
2806     escapeinside=**,
2807     pos=r,
2808     explpreset={%
2809     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2810     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
2811 }
2812 \newcommand\HLON{%
2813     \gdef\lst@alloverstyle##1{%
2814         \fboxrule=0pt
2815         \fboxsep=0pt
2816         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2817     }}
2818 \newcommand\HLOFF{%
2819     \xdef\lst@alloverstyle##1{##1}%
2820 }
2821 \newcommand\Larg [1]{\{\normalfont\itshape#1\}/\}}
2822 \newcommand\Larga[1]{\$\langle$\Larg{#1}\rangle$}
2823 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2824 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2825 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2826 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{}\begin\lcb#1\rcb\}}
2827 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}\end\lcb#1\rcb\}}
2828
2829 \DeclareRobustCommand\bs{\{\normalfont\ttfamily\symbol{92}\}}
2830 \DeclareRobustCommand\lcb{\{\normalfont\ttfamily\char`\}\}}
2831 \DeclareRobustCommand\rcb{\{\normalfont\ttfamily\char`\}\}}
2832 \DeclareRobustCommand\lsb{\{\normalfont\ttfamily\}}
2833 \DeclareRobustCommand\rsb{\{\normalfont\ttfamily\}}
2834 \DeclareRobustCommand\lrb{\{\normalfont\ttfamily\}}
2835 \DeclareRobustCommand\rrb{\{\normalfont\ttfamily\}}

```



```

2836
2837 \def\Lcs#1{\nxLcs{#1}}
2838 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2839 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2840
2841 \def\Coordx#1{$x_{#1}$}
2842 \def\Coordy#1{$y_{#1}$}
2843 \def\Coordz#1{$z_{#1}$}
2844 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2845 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2846 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2847 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
2848 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2849 \def\coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2850 \def\coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2851 \def\coordi#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2852 \def\coordx#1{($x_{#1}$)}
2853 \def\coordy#1{($y_{#1}$)}
2854 \def\coordz#1{($z_{#1}$)}
2855 \def\cAny{\Coordx{},\kern 1pt\Coordy{}}
2856 \def\ciiAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2857
2858 \newsavebox{\boxdef}
2859 \newenvironment{BDef}
2860   {\begin{lrbox}\boxdef
2861     \def\arraystretch{1.0}
2862     \begin{tabular}{@{}l@{}l@{}l@{}}
2863   }
2864   {\end{tabular}\end{lrbox}}
2865
2866   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2867   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2868 }
2869
2870 \newenvironment{BDef*}
2871   {\begin{lrbox}\boxdef
2872     \def\arraystretch{1.0}
2873     \begin{tabular}{@{}l@{}l@{}l@{}}
2874   }
2875   {\end{tabular}\end{lrbox}}
2876   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2877   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2878 }
2879 \newenvironment{BCmd}{
2880   \@beginparpenalty-\@lowpenalty
2881   \topsep\BDefaboveskip
2882   \fbboxsep3pt
2883   \flushleft}
2884   {\@endparpenalty\@M
2885   \topsepadd\BDefbelowskip
2886   \endflushleft}
2887
2888 \newenvironment{BCmd*}{
2889   \@beginparpenalty\@M

```



```

2890 \topsep\BDefinelineskip
2891 \fboxsep3pt
2892 \flushleft}
2893 {\@endparpenalty5000
2894 \endflushleft}
2895
2896 \newskip\BDefaboveskip
2897 \newskip\BDefbelowskip
2898 \newskip\BDefinelineskip
2899 \setlength\BDefaboveskip{10pt plus 4pt}
2900 \setlength\BDefbelowskip{6pt}
2901 \setlength\BDefinelineskip{6pt}
2902
2903 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2904 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
2905 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2906 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

29 File bidiftnxtra.sty

```

2907 \NeedsTeXFormat{LaTeX2e}
2908 \ProvidesPackage{bidiftnxtra}
2909 \newtoks\bidip@ftn
2910 \let\FN@sffootnote\footnote
2911 \let\FN@sff@LTRfootnote\LTRfootnote
2912 \let\FN@sff@RTLfootnote\RTLfootnote
2913 \def\footnote{\ifx\protect\@typeset@protect
2914   \expandafter\FN@sffootnote
2915   \else
2916     \expandafter\FN@sff@gobble@opt
2917   \fi
2918 }
2919 \def\LTRfootnote{\ifx\protect\@typeset@protect
2920   \expandafter\FN@sff@LTRfootnote
2921   \else
2922     \expandafter\FN@sff@gobble@opt
2923   \fi
2924 }
2925 \def\RTLfootnote{\ifx\protect\@typeset@protect
2926   \expandafter\FN@sff@RTLfootnote
2927   \else
2928     \expandafter\FN@sff@gobble@opt
2929   \fi
2930 }
2931 \edef\FN@sff@gobble@opt{\noexpand\protect
2932   \expandafter\noexpand\csname FN@sff@gobble@opt \endcsname}
2933 \expandafter\def\csname FN@sff@gobble@opt \endcsname{%
2934   \@ifnextchar[%]
2935     \FN@sff@gobble@twobracket
2936     \@gobble
2937 }
2938 \def\FN@sff@gobble@twobracket[#1]#2{}
2939 \let\FN@sff@footnotemark\footnotemark
2940 \def\footnotemark{\ifx\protect\@typeset@protect

```



```

2941 \expandafter\FN@sff@footnotemark
2942 \else
2943 \expandafter\FN@sff@gobble@only
2944 \fi
2945 }
2946 \edef\FN@sff@gobble@only{\noexpand\protect
2947 \expandafter\noexpand\csname FN@sff@gobble@only\endcsname}
2948 \expandafter\def\csname FN@sff@gobble@only\endcsname{%
2949 \ifnextchar[%
2950 \FN@sff@gobble@bracket
2951 }%
2952 }
2953 \def\FN@sff@gobble@bracket[#1]{%
2954 \def\@tabular{%
2955 \leavevmode \hbox \bgroup
2956 \let\@footnotetext\@bidi@p@ftntext
2957 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2958 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2959 \let\@xfootnotenext\@bidi@p@xftntext
2960 \let\@xfootnote\@bidi@p@xfootnote
2961 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2962 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2963 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2964 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2965 \if@RTLtab\beginR \fi
2966 $\let\@acol\@tabacol
2967 \let\@classz\@tabclassz
2968 \let\@classiv\@tabclassiv \let\\\@tabulacr\@tabarray}
2969 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
2970 \egroup $\if@RTLtab\endR\fi\egroup
2971 \ifx\@capttype\@undefined
2972 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2973 \long\def\@bidi@p@ftntext#1{%
2974 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]]}%
2975 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2976 \long\def\@bidi@p@LTRftntext#1{%
2977 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]]}%
2978 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2979 \long\def\@bidi@p@RTLftntext#1{%
2980 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]]}%
2981 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2982
2983
2984 \long\def\@bidi@p@xftntext[#1]#2{%
2985 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
2986
2987 \long\def\@bidi@p@xLTRftntext[#1]#2{%
2988 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
2989
2990 \long\def\@bidi@p@xRTLftntext[#1]#2{%
2991 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
2992
2993
2994 \def\@bidi@p@xfootnote[#1]{%

```



```

2995 \begingroup
2996 \csname c@\@mpfn\endcsname #1\relax
2997 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2998 \endgroup
2999 \@footnotemark\@bidi@p@xftntext[#1]}
3000
3001
3002 \def\@bidi@p@xLTRfootnote[#1]{%
3003 \begingroup
3004 \csname c@\@mpfn\endcsname #1\relax
3005 \unrestored@protected@xdef\@thefnmark{\thempfn}%
3006 \endgroup
3007 \@footnotemark\@bidi@p@xLTRftntext[#1]}
3008
3009
3010 \def\@bidi@p@xRTLfootnote[#1]{%
3011 \begingroup
3012 \csname c@\@mpfn\endcsname #1\relax
3013 \unrestored@protected@xdef\@thefnmark{\thempfn}%
3014 \endgroup
3015 \@footnotemark\@bidi@p@xRTLftntext[#1]}
3016
3017 \def\@xfloat #1[#2]{%
3018 \@nodocument
3019 \def \@capytype {#1}%
3020 \def \@fps {#2}%
3021 \@onelevel@sanitize \@fps
3022 \def \reserved@a {!}%
3023 \ifx \reserved@a \@fps
3024 \@fpsadddefault
3025 \else
3026 \ifx \@fps \@empty
3027 \@fpsadddefault
3028 \fi
3029 \fi
3030 \ifhmode
3031 \@bsphack
3032 \@floatpenalty -\@Mii
3033 \else
3034 \@floatpenalty-\@Miii
3035 \fi
3036 \ifinner
3037 \@parmoderr\@floatpenalty\z@
3038 \else
3039 \@next\@currbox\@freelist
3040 {%
3041 \@tempcnta \sixt@@n
3042 \expandafter \@tfor \expandafter \reserved@a
3043 \expandafter :\expandafter =\@fps
3044 \do
3045 {%
3046 \if \reserved@a h%
3047 \ifodd \@tempcnta
3048 \else

```



```

3049         \advance \@tempcnta \@ne
3050         \fi
3051     \fi
3052     \if \reserved@a t%
3053         \@setfpsbit \tw@
3054     \fi
3055     \if \reserved@a b%
3056         \@setfpsbit 4%
3057     \fi
3058     \if \reserved@a p%
3059         \@setfpsbit 8%
3060     \fi
3061     \if \reserved@a !%
3062         \ifnum \@tempcnta>15
3063             \advance\@tempcnta -\sixt@@n\relax
3064         \fi
3065     \fi
3066     }%
3067     \@tempcntb \csname ftype@\@capttype \endcsname
3068     \multiply \@tempcntb \xxxii
3069     \advance \@tempcnta \@tempcntb
3070     \global \count\@currbox \@tempcnta
3071     }%
3072     \@fltovf
3073 \fi
3074 \global \setbox\@currbox
3075     \color@vbox
3076     \normalcolor
3077     \vbox \bgroup
3078     \let\@footnotetext\@bidi@p@ftntext
3079     \let\@LTRfootnotetext\@bidi@p@LTRftntext
3080     \let\@RTLfootnotetext\@bidi@p@RTLftntext
3081     \let\@xfootnotenext\@bidi@p@xftntext
3082     \let\@xfootnote\@bidi@p@xfootnote
3083     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
3084     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
3085     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
3086     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
3087     \hsize\columnwidth
3088     \@parboxrestore
3089     \@floatboxreset
3090 }
3091 \def \@endfloatbox{%
3092     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
3093     \@minipagefalse
3094     \outer@nobreak
3095     \egroup                %% end of vbox
3096     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
3097     \color@endbox
3098 }

```

30 File bidimoderncv.cls

```

3099 \NeedsTeXFormat{LaTeX2e}

```



```

3100 \ProvidesClass{bidimoderncv}
3101 \newif\if@DEBUG\@DEBUGfalse
3102 \DeclareOption{a4paper}{
3103   \setlength\paperheight{297mm}
3104   \setlength\paperwidth{210mm}}
3105 \DeclareOption{a5paper}{
3106   \setlength\paperheight{210mm}
3107   \setlength\paperwidth{148mm}}
3108 \DeclareOption{b5paper}{
3109   \setlength\paperheight{250mm}
3110   \setlength\paperwidth{176mm}}
3111 \DeclareOption{letterpaper}{
3112   \setlength\paperheight{11in}
3113   \setlength\paperwidth{8.5in}}
3114 \DeclareOption{legalpaper}{
3115   \setlength\paperheight{14in}
3116   \setlength\paperwidth{8.5in}}
3117 \DeclareOption{executivepaper}{
3118   \setlength\paperheight{10.5in}
3119   \setlength\paperwidth{7.25in}}
3120 \DeclareOption{landscape}{
3121   \setlength\@tempdima{\paperheight}
3122   \setlength\paperheight{\paperwidth}
3123   \setlength\paperwidth{\@tempdima}}
3124 \newcommand\@ptsizet{}
3125 \DeclareOption{10pt}{\renewcommand\@ptsizet{0}}
3126 \DeclareOption{11pt}{\renewcommand\@ptsizet{1}}
3127 \DeclareOption{12pt}{\renewcommand\@ptsizet{2}}
3128 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
3129 \DeclareOption{final}{\setlength\overfullrule{0pt}}
3130 \newif\if@colour\@colourtrue
3131 \DeclareOption{nocolour}{\@colourfalse}
3132 \ExecuteOptions{a4paper,11pt,colour,final}
3133 \ProcessOptions\relax
3134 \input{size1\@ptsizet.clo}
3135 \RequirePackage{color}
3136 \RequirePackage{graphicx}
3137 \RequirePackage{ifthen}
3138 \RequirePackage{marvosym}
3139 \addtolength{\oddsidemargin}{-54pt}
3140 \addtolength{\textwidth}{109pt}
3141 \addtolength{\topmargin}{-70pt}
3142 \addtolength{\textheight}{122pt}
3143 \addtolength{\marginparsep}{-5pt}
3144 \addtolength{\marginparwidth}{-10pt}
3145 \RequirePackage{url}
3146 \RequirePackage{hyperref}
3147 \hypersetup{
3148   breaklinks,
3149   baseurl      = http://,%
3150   pdfborder    = 0 0 0,%
3151   pdfpagemode  = UseNone,%
3152   pdfstartpage = 1}
3153 \AtEndOfClass{

```




```

3154 \AtBeginDocument{%
3155     \hypersetup{%
3156         pdfauthor      = \@firstname~\@familyname,%
3157         pdftitle       = \@title,%
3158         pdfsubject     = \@firstname~\@familyname,%
3159         pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
3160 \urlstyle{tt}
3161 \RequirePackage{fancyhdr}
3162 \fancypagestyle{plain}{%
3163     \renewcommand{\headrulewidth}{0pt}
3164     \renewcommand{\footrulewidth}{0pt}
3165     \fancyhf{}}
3166 \pagestyle{plain}
3167 \setlength\lineskip{1\p@}
3168 \setlength\normallineskip{1\p@}
3169 \renewcommand\baselinestretch{}
3170 \setlength{\parindent}{0pt}
3171 \setlength{\parskip}{0pt}
3172 \setlength\columnsep{10\p@}
3173 \setlength\columnseprule{0\p@}
3174 \pagestyle{empty}
3175 \pagenumbering{arabic}
3176 \raggedbottom
3177 \onecolumn
3178 \providecommand*\listitemssymbol{\textbullet}
3179 \providecommand*\addresssymbol{}
3180 \providecommand*\mobilesymbol{\Mobilefone}
3181 \providecommand*\phonesymbol{\Telefon}
3182 \providecommand*\faxsymbol{\FAX}
3183 \providecommand*\emailsymbol{\Letter}
3184 \definecolor{firstnamecolour}{rgb}{0,0,0}
3185 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
3186 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
3187 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
3188 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
3189 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
3190 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
3191 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
3192 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
3193 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
3194 \providecommand*\firstnamefont{}
3195 \providecommand*\familynamefont{}
3196 \providecommand*\titlefont{}
3197 \providecommand*\addressfont{}
3198 \providecommand*\quotefont{}
3199 \providecommand*\sectionfont{}
3200 \providecommand*\subsectionfont{}
3201 \providecommand*\hintfont{\small}
3202 \providecommand*\firstnamesstyle[1]{\{\@firstnamefont\@firstnamecolour#1\}}
3203 \providecommand*\familynamesstyle[1]{\{\@familynamefont\@familynamecolour#1\}}
3204 \providecommand*\titlesstyle[1]{\{\@titlefont\@titlecolour#1\}}
3205 \providecommand*\addresstyle[1]{\{\@addressfont\@addresscolour#1\}}
3206 \providecommand*\quotestyle[1]{\{\@quotefont\@quotecolour#1\}}
3207 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1\}}

```



```

3208 \providecommand*{\subsectionstyle}[1]{\subsubsectionfont\@subsectioncolour#1}}
3209 \providecommand*{\hintstyle}[1]{\hintfont\@hintcolour#1}}
3210 \newcommand*{\cvtheme}[2] [] {
3211   \def\@cvtheme{#2}
3212   \def\@cvthemeoptions{#1}}
3213 \cvtheme{bidi-casual}
3214 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
3215 \newcommand*{\resumename}[1]{\def\@resumename{#1}}
3216 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
3217 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
3218 \renewcommand*{\title}[1]{\def\@title{#1}}
3219 \newcommand*{\address}[1]{\def\@address{#1}}
3220 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
3221 \newcommand*{\phone}[1]{\def\@phone{#1}}
3222 \renewcommand*{\fax}[1]{\def\@fax{#1}}
3223 \newcommand*{\email}[1]{\def\@email{#1}}
3224 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
3225 \def\@photowidth{0pt}
3226 \newcommand*{\photo}[2] [64pt]{\def\@photowidth{#1}\def\@photo{#2}}
3227 \newcommand*{\quote}[1]{\def\@quote{#1}}
3228 \newlength{\quotewidth}
3229 \newlength{\hintscolumnwidth}
3230 \newlength{\separatorcolumnwidth}
3231 \setlength{\separatorcolumnwidth}{0.025\textwidth}
3232 \newlength{\maincolumnwidth}
3233 \newlength{\doubleitemmaincolumnwidth}
3234 \newlength{\listitemsymbolwidth}
3235 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}~}
3236 \newlength{\listitemmaincolumnwidth}
3237 \newlength{\listdoubleitemmaincolumnwidth}
3238 \newcommand*{\recomputethemelengths}{}
3239 \newcommand*{\recomputelengths}{%
3240 \setlength{\quotewidth}{0.65\textwidth}%
3241 \setlength{\maincolumnwidth}{\textwidth}%
3242 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
3243 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
3244 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
3245 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
3246 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
3247 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
3248 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
3249 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
3250 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
3251 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
3252 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
3253 \renewcommand{\headwidth}{\textwidth}%
3254 \recomputethemelengths}
3255 \setlength{\hintscolumnwidth}{0.15\textwidth}
3256 \recomputelengths
3257 \title{}
3258 \renewcommand*{\maketitle}{}
3259 \newcommand*{\section}[1]{%
3260 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
3261 \phantomsection}%

```



```

3262 \addcontentsline{toc}{part}{#1}%
3263 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}%
3264 \hspace{\separatorcolumnwidth}%
3265 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
3266 \newcommand*{\subsection}[1]{%
3267 \cvline[0.45em]{\subsectionstyle{#1}}%
3268 \newcommand*{\cvline}[3][.25em]{%
3269 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}%
3270 \bidi@raggedleft\hintfont{#2} &{#3}%
3271 \end{tabular}}\}[#1]}
3272 \newcommand*{\cvdoubleitem}[4]{%
3273 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
3274 \hfill%
3275 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\%
3276 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}%
3277 \cvline[0pt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}%
3278 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}%
3279 \cvline[0pt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
3280 \hfill%
3281 \ifthenelse{\equal{#3}{}}%
3282 {}%
3283 {\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
3284 \newcommand*{\cventry}[6]{%
3285 \cvline{#1}{%
3286 {\bfseries#2}%
3287 \ifx#3\else{, {\slshape#3}}\fi%
3288 \ifx#4\else{, #4}\fi%
3289 \ifx#5\else{, #5}\fi%
3290 .%
3291 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
3292 }%
3293 \newcommand*{\cvlanguage}[3]{%
3294 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}%
3295 \newcommand*{\cvcomputer}[4]{%
3296 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
3297 \newcommand*{\link}[2][{}]{%
3298 \ifthenelse{\equal{#1}{}}%
3299 {\href{#2}{#2}}%
3300 {\href{#2}{#1}}}
3301 \newcommand*{\httplink}[2][{}]{%
3302 \ifthenelse{\equal{#1}{}}%
3303 {\href{http://#2}{#2}}%
3304 {\href{http://#2}{#1}}}
3305 \newcommand*{\emailink}[2][{}]{%
3306 \ifthenelse{\equal{#1}{}}%
3307 {\href{mailto:#2}{#2}}%
3308 {\href{mailto:#2}{#1}}}
3309 \newif\if@displaypagenumbers\@displaypagenumberstrue
3310 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
3311 \AtBeginDocument{%
3312 \if@displaypagenumbers%
3313 \ifundefined{r@lastpage}{}%
3314 \ifthenelse{\pageref{lastpage} > 1}{%
3315 \fancypagestyle{plain}{%

```



```

3316 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pag
3317 \pagestyle{plain}}{}}%
3318 \AtEndDocument{\label{lastpage}}%
3319 \fi}
3320 \newlength{\bibindent}
3321 \setlength{\bibindent}{1.5em}
3322 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
3323 \newenvironment{thebibliography}[1]%
3324 {%
3325 \section{\refname}%
3326 \small%
3327 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
3328 \bidi@thebibliography@font@hook%
3329 \begin{list}{\bibliographyitemlabel}%
3330 {%
3331 \setlength{\topsep}{0pt}%
3332 \setlength{\labelwidth}{\hintscolumnwidth}%
3333 \setlength{\labelsep}{\separatorcolumnwidth}%
3334 \leftmargin\labelwidth%
3335 \advance\leftmargin\labelsep%
3336 \@openbib@code%
3337 \usecounter{enumiv}%
3338 \let\p@enumiv\@empty%
3339 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
3340 \sloppy\clubpenalty4000\widowpenalty4000%
3341 }%
3342 {%
3343 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
3344 \end{list}%
3345 }
3346 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
3347 \let\@openbib@code\@empty

```

31 File bidi-perpage.sty

```

3348 \NeedsTeXFormat{LaTeX2e}
3349 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
3350 \newcount\bidi@page@count
3351 \bidi@page@count\@ne
3352 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
3353 \if@bidi@csundef\bidi@stepcounterhook@@#2}{%
3354 \expandafter\gdef\csname bidi@stepcounterhook@@#2\endcsname{}%
3355 }{}%
3356 \if@bidi@csundef\if@bidi@reset@#2@rerun}{%
3357 \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
3358 }{}%
3359 \if@bidi@csundef\bidi@#2@count}{%
3360 \expandafter\newcount\csname bidi@#2@count\endcsname
3361 }{}%
3362 \csname bidi@#2@count\endcsname\z@
3363 \if@bidi@csundef\bidi@previous@page@@#2@count}{%
3364 \expandafter\newcount\csname
3365 bidi@previous@page@@#2@count\endcsname
3366 }{}%

```



```

3367 \csname bidi@previous@page@@#2@count\endcsname\z@
3368 \if@bidi@csundef{bidi@reset@#2@perpage}{%
3369   \bidi@AfterEndDocumentCheckLabelsRerun{%
3370     \csname if@bidi@reset@#2@rerun\endcsname
3371       \PackageWarningNoLine{bidi-perpage}{%
3372         Counter `#2' may not have been reset per page.
3373         Rerun to reset counter `#2' per page%
3374       }%
3375     \fi
3376   }%
3377 }{}%
3378 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
3379   \global\advance\csname bidi@#2@count\endcsname\@ne
3380   \if@files@
3381     \edef\@tempa{%
3382       \write\@auxout{%
3383         \string\bidi@counter@page{#2}%
3384         {\number\csname bidi@#2@count\endcsname}%
3385         {\noexpand\number\noexpand\bidi@page@count}%
3386       }%
3387     }%
3388     \@tempa
3389   \fi
3390 \begingroup\expandafter\expandafter\expandafter\endgroup
3391 \expandafter\ifx\csname bidi@#2@@\number\csname
3392   bidi@#2@count\endcsname\endcsname\relax
3393   \global\csname @bidi@reset@#2@reruntrue\endcsname
3394 \else
3395   \global\csname @bidi@reset@#2@rerunfalse\endcsname
3396   \expandafter\@tempcnta\csname bidi@#2@@\number
3397   \csname bidi@#2@count\endcsname\endcsname\relax
3398   \ifnum\@tempcnta=\csname
3399     bidi@previous@page@@#2@count\endcsname
3400   \else
3401     \global\csname
3402       bidi@previous@page@@#2@count\endcsname\@tempcnta
3403     \global\csname c@#2\endcsname#1\relax
3404   \fi
3405 \fi
3406 }%
3407 \expandafter\bidi@gappto\csname
3408   bidi@stepcounterhook@@#2\endcsname{%
3409   \csname bidi@reset@#2@perpage\endcsname
3410 }%
3411 }
3412 \def\bidi@counter@page#1#2#3{\bidi@namegdef{bidi@#1@@#2}{#3}}
3413 \bidi@AtEndOutputPage{%
3414   \global\advance\bidi@page@count\@ne
3415 }

```

32 File biditools.sty

```

3416 \NeedsTeXFormat{LaTeX2e}
3417 \ProvidesPackage{biditools}[2022/02/01 v2.1 Programming tools for bidi package]

```



```

3418 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
3419 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
3420 \ifx\@tempa\@tempb \global\let#2#1%
3421 \else
3422 \edef\@tempb{\meaning#2}%
3423 \ifx\@tempa\@tempb
3424 \else
3425 \latexerror{Unable to properly define \string#2; primitive
3426 \noexpand#1no longer primitive}\@eha
3427 \fi
3428 \fi
3429 \endgroup}
3430 \newtoks\@bidi@envbody
3431 \newtoks\@bidi@emptytoks
3432 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
3433 \def\bidi@collect@body#1{%
3434 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
3435 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
3436 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
3437 \begingroup
3438 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
3439 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
3440 \bidi@process@envbody
3441 }
3442 \def\bidi@push@begins#1\begin#2{%
3443 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
3444 }
3445 \def\bidi@collect@@body#1\end#2{%
3446 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
3447 \ifx\@empty\begin@bidi@stack
3448 \endgroup
3449 \@checkend{#2}%
3450 \bidi@addto@envbody{#1}%
3451 \else
3452 \bidi@addto@envbody{#1\end{#2}}%
3453 \fi
3454 \bidi@process@envbody % A little tricky! Note the grouping
3455 }
3456 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
3457 \long\def\bidi@collect@long@body#1{%
3458 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
3459 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
3460 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
3461 \begingroup
3462 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@long@@body
3463 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
3464 \bidi@process@envbody
3465 }
3466 \long\def\bidi@push@long@begins#1\begin#2{%
3467 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
3468 }
3469 \long\def\bidi@collect@long@@body#1\end#2{%
3470 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
3471 \ifx\@empty\begin@bidi@stack

```



```

3472 \endgroup
3473 \@checkend{#2}%
3474 \bidi@addto@long@envbody{#1}%
3475 \else
3476 \bidi@addto@long@envbody{#1\end{#2}}%
3477 \fi
3478 \bidi@process@envbody % A little tricky! Note the grouping
3479 }
3480 \long\def\bidi@new@ifnextchar#1#2#3{%
3481 \let\reserved@d= #1%
3482 \def\reserved@a{#2}\def\reserved@b{#3}%
3483 \futurelet\@let@token\bidi@new@ifnch
3484 }
3485 \def\bidi@new@ifnch{%
3486 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
3487 \reserved@b
3488 }
3489 \def\bidi@matrix@check#1{%
3490 \expandafter\ifx\csname\@currentvir\endcsname#1%
3491 \else\bidi@matrix@error#1%
3492 \expandafter\@gobble
3493 \fi
3494 }
3495 \def\bidi@matrix@error#1{%
3496 \PackageError{biditools}{%
3497 Old form ``\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
3498 }{%
3499 ``\string#1{...}' is old bidi package syntax whose use is
3500 ill-advised in the old versions of bidi package.%
3501 }%
3502 }
3503 \def\@tagsextension{clo}
3504 \def\@definitionfileextension{def}
3505 \def\@texfileextension{tex}
3506 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
3507 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
3508 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
3509 \def\eqnewif#1#2{%
3510 \count@\escapechar \escapechar\m@ne
3511 \let#1\iffalse
3512 \let#2\iffalse
3513 \eq@if#1#2\iftrue
3514 \eq@if#1#2\iffalse
3515 \escapechar\count@}
3516 \def\eq@if#1#2#3{%
3517 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
3518 \expandafter\@gobbletwo\string#3\endcsname
3519 {\let#1#3%
3520 \let#2#3}%
3521 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
3522 \expandafter\@gobbletwo\string#3\endcsname
3523 {\let#2#3%
3524 \let#1#3}}
3525 \newcommand*{\SetBoolean}[2]{%

```



```

3526 \lowercase{\def\@tempa{#2}}%
3527 \@ifundefined{@tempa\@tempa}%
3528 {\PackageError{biditools}%
3529   {You can only set a boolean to `true' or `false'}\@ehc}%
3530 {\@ifundefined{#1\@tempa}%
3531   {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
3532   {\csname#1\@tempa\endcsname}}}%
3533 \newcommand*\GlobalSetBoolean[2]{%
3534 \lowercase{\def\@tempa{#2}}%
3535 \@ifundefined{@tempa\@tempa}%
3536 {\PackageError{biditools}%
3537   {You can only set a boolean to `true' or `false'}\@ehc}%
3538 {\@ifundefined{#1\@tempa}%
3539   {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
3540   {\global\csname#1\@tempa\endcsname}}}%
3541 \newcommand*\SetatBoolean[2]{%
3542 \lowercase{\def\@tempa{#2}}%
3543 \@ifundefined{@tempa\@tempa}%
3544 {\PackageError{biditools}%
3545   {You can only set a boolean to `true' or `false'}\@ehc}%
3546 {\@ifundefined{@#1\@tempa}%
3547   {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
3548   {\csname @#1\@tempa\endcsname}}}%
3549 \newcommand*\GlobalSetatBoolean[2]{%
3550 \lowercase{\def\@tempa{#2}}%
3551 \@ifundefined{@tempa\@tempa}%
3552 {\PackageError{biditools}%
3553   {You can only set a boolean to `true' or `false'}\@ehc}%
3554 {\@ifundefined{@#1\@tempa}%
3555   {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
3556   {\global\csname @#1\@tempa\endcsname}}}%
3557 \def\@bidi@removefromreset#1#2{%
3558 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
3559 \def\@elt##1{%
3560 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
3561 \else
3562 \noexpand\@elt{##1}%
3563 \fi}%
3564 \expandafter\xdef\csname cl@#2\endcsname{%
3565 \csname cl@#2\endcsname}}}%
3566 \newcommand*\ifRtoL{%
3567 \ifRTL
3568 \expandafter\@firstoftwo
3569 \else
3570 \expandafter\@secondoftwo
3571 \fi}
3572 \newcommand*\ifLtoR{%
3573 \ifRTL
3574 \expandafter\@secondoftwo
3575 \else
3576 \expandafter\@firstoftwo
3577 \fi}
3578 \newcommand*\ifRtoLtable{%
3579 \ifRTLtab

```




```

3580     \expandafter\@firstoftwo
3581   \else
3582     \expandafter\@secondoftwo
3583   \fi}
3584 \newcommand*{\ifLtoRtable}{%
3585   \if@RTLtab
3586     \expandafter\@secondoftwo
3587   \else
3588     \expandafter\@firstoftwo
3589   \fi}
3590 \newcommand*{\ifRtoLhboxconstruct}{%
3591   \if@hboxRconstruct
3592     \expandafter\@firstoftwo
3593   \else
3594     \expandafter\@secondoftwo
3595   \fi}
3596 \newcommand*{\ifLtoRhboxconstruct}{%
3597   \if@hboxRconstruct
3598     \expandafter\@secondoftwo
3599   \else
3600     \expandafter\@firstoftwo
3601   \fi}
3602 \newcommand*{\iflatin}{%
3603   \if@nonlatin
3604     \expandafter\@secondoftwo
3605   \else
3606     \expandafter\@firstoftwo
3607   \fi}
3608 \newcommand*{\ifnonlatin}{%
3609   \if@nonlatin
3610     \expandafter\@firstoftwo
3611   \else
3612     \expandafter\@secondoftwo
3613   \fi}
3614
3615 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
3616   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
3617
3618 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
3619   \dimexpr #1*65536/\dimexpr 1pt\relax}
3620
3621 \newcommand*{\if@bidi@csdef}[1]{%
3622   \ifcsname#1\endcsname
3623     \expandafter\@firstoftwo
3624   \else
3625     \expandafter\@secondoftwo
3626   \fi}
3627 \newcommand*{\if@bidi@csundef}[1]{%
3628   \ifcsname#1\endcsname
3629     \expandafter\ifx\csname#1\endcsname\relax
3630       \expandafter\expandafter
3631       \expandafter\@firstoftwo
3632     \else
3633       \expandafter\expandafter

```



```

3634     \expandafter\@secondoftwo
3635     \fi
3636   \else
3637     \expandafter\@firstoftwo
3638   \fi}
3639 \newcommand{\if@bidi@def}[1]{%
3640   \ifdefined#1%
3641     \expandafter\@firstoftwo
3642   \else
3643     \expandafter\@secondoftwo
3644   \fi}
3645 \newcommand{\if@bidi@undef}[1]{%
3646   \ifdefined#1%
3647     \ifx#1\relax
3648       \expandafter\expandafter
3649       \expandafter\@firstoftwo
3650     \else
3651       \expandafter\expandafter
3652       \expandafter\@secondoftwo
3653     \fi
3654   \else
3655     \expandafter\@firstoftwo
3656   \fi}
3657 \newcommand{\if@bidi@blank}[1]{% from url.sty
3658   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
3659 \long\def\bidi@ifblank@i#1#2&#3#4#5:#{#4}
3660 \newcommand{\bidi@notblank}[1]{%
3661   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
3662 \newcommand{\if@bidi@defmacro}{}
3663 \long\edef\if@bidi@defmacro#1{%
3664   \noexpand\expandafter\noexpand\bidi@ifdefmacro
3665   \noexpand\meaning#1\detokenize{macro}:&}
3666 \edef\bidi@ifdefmacro{%
3667   \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
3668 \bidi@ifdefmacro{\bidi@notblank{#2}}
3669 \newcommand*{\if@bidi@csmacro}[1]{%
3670   \if@bidi@csdef{#1}
3671     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
3672     {\@secondoftwo}}
3673 \newcommand{\if@bidi@defprimitive}[1]{%
3674   \ifprimitive#1%
3675     \expandafter\@firstoftwo
3676   \else
3677     \expandafter\@secondoftwo
3678   \fi}
3679 \newcommand{\if@bidi@csprimitive}[1]{%
3680   \begingroup\expandafter\expandafter\endgroup%
3681   \expandafter\ifprimitive\csname#1\endcsname%
3682   \expandafter\@firstoftwo
3683   \else
3684     \expandafter\@secondoftwo
3685   \fi}
3686 \newcommand*{\bidi@csdefcs}[2]{%
3687   \expandafter\@ifdefinable \csname#1\endcsname{%

```



```

3688 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
3689 \newcommand*{\bidi@csletcs}[2]{%
3690 \expandafter\@ifdefinable \csname#1\endcsname{%
3691 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
3692 \newcommand*{\bidi@cslet}[2]{%
3693 \expandafter\@ifdefinable \csname#1\endcsname{%
3694 \expandafter\let\csname#1\endcsname#2}}
3695 \newcommand{\bidi@namelongdef}[1]{%
3696 \long\expandafter\def\csname #1\endcsname}
3697 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
3698 \def\bidi@ensure@new@command#1{%
3699 \begingroup \escapechar\m@ne\xdef\@tempa{\string#1}\endgroup
3700 \expandafter\if@bidi@csundef\@tempa
3701 {\new@command#1}{\relax%
3702 \let\@ifdefinable\rc@ifdefinable%
3703 \new@command#1}}
3704 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
3705
3706 \protected\def\bidi@error{\PackageError{bidi}}
3707 \protected\def\bidi@warning{\PackageWarning{bidi}}
3708 \protected\def\bidi@info{\PackageInfo{bidi}}
3709
3710 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@@#2@#3}{#4}}
3711
3712 \newcount\bidi@poscount
3713
3714 \newcommand*{\WriteStartXPostoaux}{%
3715 \global\advance\bidi@poscount\@ne
3716 \edef\@tempa{%
3717 \write\@auxout{%
3718 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3719 }%
3720 }%
3721 \ifvmode
3722 \leavevmode
3723 \fi
3724 \if@RTL
3725 \if@filesw
3726 \@tempa
3727 \fi
3728 \pdfsavepos
3729 \else
3730 \pdfsavepos
3731 \if@filesw
3732 \@tempa
3733 \fi
3734 \fi
3735 \if@bidi@csundef\bidi@xpos@@start@\number\bidi@poscount}{%
3736 \PackageWarningNoLine{biditools}{%
3737 The start x position '\number\bidi@poscount' is not known yet.
3738 Rerun to get this x position%
3739 }%
3740 }{}%
3741 }

```



```

3742
3743 \newcommand*{\WriteEndXPostoaux}{%
3744     \edef\@tempa{%
3745         \write\@auxout{%
3746             \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
3747         }%
3748     }%
3749 \if@RTL
3750     \if@filesw
3751         \@tempa
3752 \fi
3753 \pdfsavepos
3754 \else
3755 \pdfsavepos
3756 \if@filesw
3757     \@tempa
3758 \fi
3759 \fi
3760 \if@bidi@csundef{bidixpos@@end@\number\bidiposcount}{%
3761     \PackageWarningNoLine{biditools}{%
3762         The end x position `\'number\bidiposcount' is not known yet.
3763         Rerun to get this x position%
3764     }%
3765 }{}%
3766 }
3767
3768 \newcommand*{\WriteStartYPostoaux}{%
3769 \global\advance\bidiposcount\@ne
3770     \edef\@tempa{%
3771         \write\@auxout{%
3772             \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
3773         }%
3774     }%
3775 \ifvmode
3776     \leavevmode
3777 \fi
3778 \if@RTL
3779     \if@filesw
3780         \@tempa
3781 \fi
3782 \pdfsavepos
3783 \else
3784 \pdfsavepos
3785 \if@filesw
3786     \@tempa
3787 \fi
3788 \fi
3789 \if@bidi@csundef{bidipypos@@start@\number\bidiposcount}{%
3790     \PackageWarningNoLine{biditools}{%
3791         The start y position `\'number\bidiposcount' is not known yet.
3792         Rerun to get this y position%
3793     }%
3794 }{}%
3795 }

```



```

3796
3797 \newcommand*{\WriteEndYPostoaux}{%
3798     \edef\@tempa{%
3799         \write\@auxout{%
3800             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
3801         }%
3802     }%
3803 \if@RTL
3804     \if@filesw
3805         \@tempa
3806 \fi
3807 \pdfsavepos
3808 \else
3809 \pdfsavepos
3810 \if@filesw
3811     \@tempa
3812 \fi
3813 \fi
3814 \if@bidi@csundef{bidipos@end@\number\bidiposcount}{%
3815     \PackageWarningNoLine{biditools}{%
3816         The end y position ``\number\bidiposcount' is not known yet.
3817         Rerun to get this y position%
3818     }%
3819 }{}%
3820 }
3821
3822 \newcommand*{\WriteStartXYPostoaux}{%
3823     \global\advance\bidiposcount\@ne
3824     \edef\@tempa{%
3825         \write\@auxout{%
3826             \string\bidipos{x}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
3827         }%
3828         \write\@auxout{%
3829             \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
3830         }%
3831     }%
3832     \ifvmode
3833         \leavevmode
3834     \fi
3835 \if@RTL
3836     \if@filesw
3837         \@tempa
3838 \fi
3839 \pdfsavepos
3840 \else
3841 \pdfsavepos
3842 \if@filesw
3843     \@tempa
3844 \fi
3845 \fi
3846 \if@bidi@csundef{bidipos@start@\number\bidiposcount}{%
3847     \PackageWarningNoLine{biditools}{%
3848         The start x position ``\number\bidiposcount' is not known yet.
3849         Rerun to get this x position%

```



```

3850         }%
3851     }-%
3852     \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
3853         \PackageWarningNoLine{biditools}{%
3854             The start y position ` \number\bidi@poscount' is not known yet.
3855             Rerun to get this y position%
3856         }%
3857     }-%
3858 }
3859
3860 \newcommand*{\WriteEndXYPostoaux}{%
3861     \edef\@tempa{%
3862         \write\@auxout{%
3863             \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3864         }%
3865         \write\@auxout{%
3866             \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3867         }%
3868     }%
3869     \if@RTL
3870         \if@filesw
3871             \@tempa
3872         \fi
3873     \pdfsavepos
3874     \else
3875     \pdfsavepos
3876     \if@filesw
3877         \@tempa
3878     \fi
3879     \fi
3880     \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
3881         \PackageWarningNoLine{biditools}{%
3882             The end x position ` \number\bidi@poscount' is not known yet.
3883             Rerun to get this x position%
3884         }%
3885     }-%
3886     \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
3887         \PackageWarningNoLine{biditools}{%
3888             The end y position ` \number\bidi@poscount' is not known yet.
3889             Rerun to get this y position%
3890         }%
3891     }-%
3892 }
3893
3894 \newcommand*{\currentposxwidth}{%
3895     \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{\z@}
3896     {%
3897         \ifnum\csname bidi@xpos@@start@\number\bidi@poscount
3898             \endcsname < \csname bidi@xpos@@end@\number\bidi@poscount
3899             \endcsname
3900             \dimexpr \csname bidi@xpos@@end@\number\bidi@poscount
3901             \endcsname sp - \csname bidi@xpos@@start@\number\bidi@poscount
3902             \endcsname sp\relax
3903     \else

```



```

3904 \dimexpr \csname bidi@xpos@@start@\number\bidi@poscount
3905 \endcsname sp - \csname bidi@xpos@@end@\number\bidi@poscount
3906 \endcsname sp\relax
3907 \fi
3908 }%
3909 }
3910
3911 \newcommand*{\currentposyheight}{%
3912 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
3913 {%
3914 \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
3915 \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
3916 \endcsname sp\relax
3917 }%
3918 }
3919
3920
3921
3922 \newcommand*{\setbaselineskip}[1]{%
3923 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
3924 \selectfont
3925 }
3926
3927
3928 \newcommand*{\bidi@newrobustcmd}{%
3929 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
3930
3931 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
3932
3933 \def\bidi@newcommand#1[#2]{%
3934 \@ifnextchar[%]
3935 {\bidi@xargdef#1[#2]}
3936 {\ifx\l@ngrel@x\relax
3937 \let\l@ngrel@x\protected
3938 \else
3939 \protected\def\l@ngrel@x{\protected\long}%
3940 \fi
3941 \@argdef#1[#2]}}
3942
3943 \long\def\bidi@xargdef#1[#2][#3]#4{%
3944 \@ifdefinable#1{%
3945 \expandafter\protected
3946 \expandafter\def
3947 \expandafter#1%
3948 \expandafter{%
3949 \expandafter\@testopt
3950 \csname\string#1\endcsname{#3}}%
3951 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
3952
3953 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
3954
3955 \def\bidi@renew@command#1{%
3956 \if@bidi@undef{#1}
3957 {\bidi@error{\string#1 undefined}\@ehc}

```



```

3958     {}%
3959 \let\@ifdefinable\@rc@ifdefinable
3960 \bidi@new@command#1}
3961
3962
3963
3964 \bidi@newrobustcmd*\bidi@providerobustcmd*{\@star@or@long\bidi@provide@command}
3965
3966 \def\bidi@provide@command#1{%
3967   \if@bidi@undef{#1}
3968     {\def\reserved@a{\bidi@new@command#1}}
3969     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
3970   \reserved@a}
3971
3972 \newcommand*\bidi@csuse}[1]{%
3973   \ifcsname#1\endcsname
3974     \csname#1\expandafter\endcsname
3975   \fi}
3976
3977 \newcommand\bidi@expandonce}[1]{%
3978   \unexpanded\expandafter{#1}}
3979
3980 \def\bidi@protected{%
3981   \let\@@protect\protect
3982   \let\protect\@unexpandable@protect
3983   \afterassignment\restore@protect}
3984
3985 \bidi@newrobustcmd*\bidi@appto}[2]{%
3986   \if@bidi@undef{#1}
3987     {\edef#1{\unexpanded{#2}}}
3988     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3989 \bidi@newrobustcmd*\bidi@eappto}[2]{%
3990   \if@bidi@undef{#1}
3991     {\edef#1{#2}}
3992     {\edef#1{\bidi@expandonce#1#2}}}}
3993 \bidi@newrobustcmd*\bidi@gappto}[2]{%
3994   \if@bidi@undef{#1}
3995     {\xdef#1{\unexpanded{#2}}}
3996     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3997 \bidi@newrobustcmd*\bidi@xappto}[2]{%
3998   \if@bidi@undef{#1}
3999     {\xdef#1{#2}}
4000     {\xdef#1{\bidi@expandonce#1#2}}}}
4001
4002 \bidi@newrobustcmd*\bidi@protected@eappto*{\bidi@protected\bidi@eappto}
4003 \bidi@newrobustcmd*\bidi@protected@xappto*{\bidi@protected\bidi@xappto}
4004
4005
4006
4007 \bidi@newrobustcmd*\bidi@preto}[2]{%
4008   \if@bidi@undef{#1}
4009     {\edef#1{\unexpanded{#2}}}
4010     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
4011 \bidi@newrobustcmd*\bidi@epreto}[2]{%

```




```

4012 \if@bidi@undef{#1}
4013     {\edef#1{#2}}
4014     {\edef#1{#2\bidi@expandonce#1}}}
4015 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
4016     \if@bidi@undef{#1}
4017         {\xdef#1{\unexpanded{#2}}}
4018         {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
4019 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
4020     \if@bidi@undef{#1}
4021         {\xdef#1{#2}}
4022         {\xdef#1{#2\bidi@expandonce#1}}}
4023
4024 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
4025 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
4026
4027
4028
4029 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
4030 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
4031 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
4032 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
4033 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
4034 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
4035
4036
4037
4038 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
4039 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
4040 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
4041 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
4042 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
4043 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
4044
4045
4046
4047 \bidi@newrobustcmd{\if@bidi@patchable}{%
4048     \bidi@dbg@trce\if@bidi@patchable
4049     \begingroup
4050     \@makeother\#%
4051     \@ifstar\bidi@ifpatchablei\bidi@ifpatchable}
4052
4053 \long\def\bidi@ifpatchable#1#2{%
4054     \endgroup
4055     \bidi@dbg@init#1%
4056     \if@bidi@undef{#1}
4057         {\bidi@dbg@fail{def}\@secondoftwo}
4058         {\bidi@dbg@info{def}%
4059         \if@bidi@defmacro{#1}
4060             {\bidi@dbg@info{mac}%
4061             \bidi@ifscanable{#1}
4062                 {\bidi@ifhashcheck{#2}
4063                     {\bidi@dbg@info{tok}%
4064                     \bidi@ifpattern#1{#2}
4065                     {\bidi@dbg@info{pat}%

```



```

4066         \bidi@dbg@info{pos}\@firstoftwo}
4067         {\bidi@dbg@fail{pat}\@secondoftwo}}
4068         {\bidi@dbg@fail{hsh}\@secondoftwo}}
4069         {\bidi@dbg@fail{tok}\@secondoftwo}}
4070         {\bidi@dbg@fail{mac}\@secondoftwo}}}}
4071
4072 \long\def\bidi@ifpatchable@i#1{%
4073   \endgroup
4074   \bidi@dbg@init#1%
4075   \if@bidi@undef{#1}
4076     {\bidi@dbg@fail{def}\@secondoftwo}
4077     {\bidi@dbg@info{def}%
4078       \if@bidi@defmacro{#1}
4079         {\bidi@dbg@info{mac}%
4080           \if@bidi@defparam{#1}
4081             {\bidi@dbg@info{prm}%
4082               \bidi@ifscanable{#1}
4083               {\bidi@dbg@info{tok}%
4084                 \bidi@dbg@info{pos}\@firstoftwo}
4085                 {\bidi@dbg@fail{tok}\@secondoftwo}}
4086               {\bidi@dbg@info{prl}%
4087                 \if@bidi@defprotected{#1}
4088                 {\bidi@dbg@info{pro}}
4089                 {}%
4090                 \bidi@dbg@info{pos}\@firstoftwo}}
4091               {\bidi@dbg@fail{mac}\@secondoftwo}}}}
4092
4093 \bidi@newrobustcmd*{\bidi@patchcmd}{%
4094   \bidi@dbg@trce\bidi@patchcmd
4095   \begingroup
4096   \@makeother\%#
4097   \bidi@@patchcmd}
4098
4099 \newcommand{\bidi@@patchcmd}[4][#####1]{%
4100   \bidi@ifpatchable#2{#3}
4101   {\bidi@dbg@succ{ret}%
4102     \begingroup
4103     \edef\bidi@resrvda{%
4104       \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
4105         #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
4106       \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
4107         #####1\detokenize{#4}####2}%
4108       \edef\noexpand\bidi@resrvda{%
4109         \noexpand\bidi@resrvda\meaning#2&}}%
4110     \bidi@resrvda
4111     \bidi@patchcmd@scantoks\bidi@resrvda
4112     \let#2\bidi@resrvda
4113     \bidi@undef\bidi@resrvda
4114     \@firstoftwo}
4115   {\@secondoftwo}}
4116
4117 \def\bidi@patchcmd@scantoks#1{%
4118   \edef\bidi@resrvda{\endgroup
4119     \unexpanded{\makeatletter\scantokens}{#1}%

```



```

4120 \catcode\number`\@=\the\catcode`\@ \relax}%
4121 \bidi@resrvda}
4122
4123 \newcommand\bidi@isloaded[2] []{
4124 \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
4125 \expandafter\newif\csname if@bidi@#2loaded@\endcsname
4126 \fi
4127 \@ifpackageloaded{#2}
4128 {\csname @bidi@#2loaded@true\endcsname #1}
4129 {\csname @bidi@#2loaded@false\endcsname}}
4130
4131 \protected\def\bidi@ifscanable#1{%
4132 \begingroup
4133 \edef\bidi@resrvda{%
4134 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
4135 ####1\def\string\bidi@resrvda####2{####3}}}%
4136 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
4137 \bidi@resrvda
4138 \makeatletter
4139 \scantokens\expandafter{\bidi@resrvda}%
4140 \expandafter\endgroup\ifx#1\bidi@resrvda
4141 \expandafter\@firstoftwo
4142 \else
4143 \expandafter\@secondoftwo
4144 \fi}
4145
4146
4147 \protected\long\def\bidi@ifhashcheck#1{%
4148 \begingroup
4149 \edef\bidi@resrvda{\detokenize{#1}}%
4150 \expandafter\endgroup
4151 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
4152
4153 \edef\bidi@ifhashcheck@i#1&{%
4154 \noexpand\expandafter
4155 \noexpand\bidi@ifhashcheck@ii
4156 \noexpand\strip@prefix#1\string#\string#&}
4157
4158 \edef\bidi@ifhashcheck@ii{%
4159 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
4160 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
4161
4162
4163 \protected\long\def\bidi@ifpattern#1#2{%
4164 \begingroup
4165 \edef\bidi@resrvda{%
4166 \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
4167 \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
4168 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
4169 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
4170 \noexpand\bidi@resrvda}
4171 \bidi@resrvda\@secondoftwo\@firstoftwo}
4172
4173

```



```

4174 \newcommand{\if@bidi@defparam}{%
4175 \long\edef\if@bidi@defparam#1{%
4176 \noexpand\expandafter\noexpand\bidi@ifdefparam
4177 \noexpand\meaning#1\detokenize{macro}:->&}
4178 \edef\bidi@ifdefparam{%
4179 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
4180 \bidi@ifdefparam{\bidi@notblank{#2}}
4181
4182
4183 \newcommand{\if@bidi@defprotected}{%
4184 \long\edef\if@bidi@defprotected#1{%
4185 \noexpand\expandafter\noexpand\bidi@ifdefprotected
4186 \noexpand\meaning#1\string\protected&}
4187 \edef\bidi@ifdefprotected{%
4188 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
4189 \bidi@ifdefprotected{\bidi@notblank{#2}}
4190
4191
4192 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
4193 \bidi@newrobustcmd{\bidi@csundef}[1]{%
4194 \expandafter\let\csname #1\endcsname\bidi@undefined
4195 }
4196
4197 \let\bidi@dbg@trce\@gobble
4198 \let\bidi@dbg@init\@gobble
4199 \let\bidi@dbg@info\@gobble
4200 \let\bidi@dbg@succ\@gobble
4201 \let\bidi@dbg@fail\@gobble
4202
4203
4204
4205 \bidi@newrobustcmd*{\bidi@apptocmd}{%
4206 \bidi@dbg@trce\bidi@apptocmd
4207 \begingroup
4208 \@makeother\#%
4209 \bidi@hooktocmd\bidi@append}
4210
4211
4212
4213 \bidi@newrobustcmd*{\bidi@pretocmd}{%
4214 \bidi@dbg@trce\bidi@pretocmd
4215 \begingroup
4216 \@makeother\#%
4217 \bidi@hooktocmd\bidi@prepend}
4218
4219 \long\def\bidi@hooktocmd#1#2#3{%
4220 \endgroup
4221 \bidi@dbg@init#2%
4222 \if@bidi@undef{#2}
4223 {\bidi@dbg@fail{def}}\@secondoftwo}
4224 {\bidi@dbg@info{def}}%
4225 \if@bidi@defmacro{#2}
4226 {\bidi@dbg@info{mac}}%
4227 \if@bidi@defparam{#2}

```



```

4228         {\bidi@dbg@info{prm}%
4229         \bidi@ifscanable{#2}
4230         {\bidi@ifhashcheck{#3}
4231         {\bidi@dbg@info{tok}%
4232         \bidi@dbg@succ{ret}%
4233         \bidi@hooktocmd@i#1#2{#3}%
4234         \@firstoftwo}
4235         {\bidi@dbg@fail{hsh}\@secondoftwo}}
4236         {\bidi@dbg@fail{tok}\@secondoftwo}}
4237     {\bidi@dbg@info{prl}%
4238     \if\bidi@defprotected{#2}
4239     {\bidi@dbg@info{pro}%
4240     \bidi@dbg@succ{red}%
4241     \protected}
4242     {\bidi@dbg@succ{red}}}%
4243     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
4244     \@firstoftwo}}
4245     {\bidi@dbg@fail{mac}\@secondoftwo}}
4246
4247 \long\def\bidi@hooktocmd@i#1#2#3{%
4248   \begingroup
4249   \edef\bidi@resrvda{%
4250     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
4251       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
4252     \edef\noexpand\bidi@resrvda{%
4253       \noexpand\bidi@resrvda\meaning#2&}}%
4254   \bidi@resrvda
4255   \bidi@patchcmd@scantoks\bidi@resrvda
4256   \let#2\bidi@resrvda
4257   \bidi@undef\bidi@resrvda}
4258
4259 \long\def\bidi@append#1#2{#1#2}
4260 \long\def\bidi@prepend#1#2{#2#1}
4261
4262 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
4263 %\newcommand*{\bidi@endpreamblehook}{}
4264
4265 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
4266
4267 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}
4268 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
4269
4270 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
4271 \newcommand*{\bidi@beforeheaderhook}{}
4272
4273 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutput}
4274 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
4275
4276 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpa}
4277 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
4278
4279 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
4280 \newcommand*{\bidi@beforefooterhook}{}
4281

```



```

4282 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
4283 \newcommand*{\bidi@afterfooterhook}{}
4284
4285
4286 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
4287 \newcommand*{\bidi@afteroutputpageshipouthook}{}
4288
4289 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
4290 \newcommand*{\bidi@atendoutputpagehook}{}
4291
4292 %\bidi@preto\document{%
4293 % \endgroup
4294 % \let\bidi@AtEndPreamble\@firstofone
4295 % \bidi@endpreamblehook
4296 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
4297 % \bidi@undef\bidi@endpreamblehook
4298 % \begingroup}
4299
4300 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
4301 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
4302
4303 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
4304 %\newcommand*{\bidi@afterendpreamblehook}{}
4305
4306 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}%
4307
4308 %\bidi@appto\document{%
4309 % \let\bidi@AfterEndPreamble\@firstofone
4310 % \bidi@afterendpreamblehook
4311 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
4312 % \bidi@undef\bidi@afterendpreamblehook
4313 % \ignorespaces}
4314
4315 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocumentchecklabelsrerunhook}
4316 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}
4317
4318 \bidi@patchcmd\enddocument
4319 {\fi}
4320 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
4321 \bidi@afterenddocumentchecklabelsrerunhook
4322 \fi}
4323 {}
4324 {\PackageWarning{biditools}{Patching `string\enddocument' failed}}
4325
4326 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
4327
4328 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
4329 \newcommand*{\bidi@afterlastshipouthook}{}
4330
4331 \bidi@patchcmd\enddocument
4332 {\clearpage}
4333 {\clearpage
4334 \let\bidi@AfterLastShipout\@firstofone
4335 \bidi@afterlastshipouthook}

```



```

4336 {}
4337 {\let\bidiclearpage\clearpage
4338 \def\clearpage{%
4339 \bidiclearpage
4340 \let\bidiafterlastshipout\@firstofone
4341 \bidiafterlastshipouthook}}
4342
4343 %\bidinewrobustcmd*{\bidiafterEndDocument}{\bidigappto\bidiafterenddocumenthook}
4344 %\newcommand*{\bidiafterenddocumenthook}{%
4345
4346 \bidinewrobustcmd*{\bidiafterEndDocument}{\AddToHook{enddocument/end}}}%
4347
4348 %\bidipatchcmd\enddocument
4349 % {\deadcycles}
4350 % {\let\bidiafterEndDocument\@firstofone
4351 % \bidiafterenddocumenthook
4352 % \deadcycles}
4353 % {}
4354 % {\let\bidiafterEndDocument\@firstofone
4355 % \def\@end{%
4356 % \let\bidiafterEndDocument\@firstofone
4357 % \bidiafterenddocumenthook
4358 % \bidiafterEndDocument}}
4359
4360 \bidinewrobustcmd{\bidiafterBeginEnvironment}[1]{%
4361 \bidicsgappto{\bidiafterBeginEnvironment}[1]{%
4362
4363 % Patch \begin<space> and \end<space> in newer LaTeX releases
4364 % \begin and \end in older ones.
4365 \expandafter\bidipatchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
4366 {\csname #1\endcsname}
4367 {\bidicsgappto{\bidiafterBeginEnvironment}[1]{%
4368 \csname #1\endcsname}
4369 {}
4370 {\bidiafterWarning{%
4371 Patching '\string\begin' failed!\MessageBreak
4372 '\string\bidiafterBeginEnvironment' will not work\@gobble}}
4373
4374
4375
4376 \bidinewrobustcmd{\bidiafterEndEnvironment}[1]{%
4377 \bidicsgappto{\bidiafterEndEnvironment}[1]{%
4378
4379 \expandafter\bidipatchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
4380 {\csname #1\endcsname}
4381 {\bidicsgappto{\bidiafterEndEnvironment}[1]{%
4382 \csname #1\endcsname}
4383 {}
4384 {\bidiafterWarning{%
4385 Patching '\string\end' failed!\MessageBreak
4386 '\string\bidiafterEndEnvironment' will not work\@gobble}}
4387
4388
4389

```



```

4390 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
4391   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
4392
4393 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
4394   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
4395   {}
4396   {\bidi@warning{%
4397     Patching '\string\begin' failed!\MessageBreak
4398     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
4399
4400 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
4401   \bidi@csgappto{@bidi@afterend@#1@hook}}
4402
4403 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
4404   {\if@ignore}
4405   {\bidi@csuse{@bidi@afterend@#1@hook}%
4406     \if@ignore}
4407   {}
4408   {\bidi@warning{%
4409     Patching '\string\end' failed!\MessageBreak
4410     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
4411
4412 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
4413 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
4414 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
4415 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
4416
4417 % From David Carlisle:
4418 % The \@stpelt redefinition below belongs to Heiko Oberdiek
4419 % See also https://github.com/ho-tex/oberdiek/issues/26
4420
4421 \let\bidi@stepcounter\stepcounter
4422 \let\bidi@@stpelt\@stpelt
4423
4424 \def\bidi@stpelt#1{%
4425   \ifcsname bidi@reset@#1@perpage\endcsname
4426     \begingroup
4427       \let\stepcounter\bidi@stepcounter
4428       \@bidi@@stpelt{#1}%
4429     \endgroup
4430     \expandafter\@gobbletwo
4431   \fi
4432   \@bidi@@stpelt{#1}%
4433 }
4434
4435 \bidi@pretocmd\stepcounter
4436   {%
4437     \if@bidi@csundef{bidi@stepcounterhook@#1}{-}{%
4438       \csname bidi@stepcounterhook@#1\endcsname
4439     }%
4440   }-}%
4441   {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
4442
4443 \chardef\bidi@backslash`\\

```




```

4444 \def\bidics#1{\texttt{\char\bidibackslash#1}}
4445
4446 % anonymous control sequences
4447 \newcount\biditempcountb
4448 \newtoks\biditemptoksa
4449 \newtoks\biditemptoksb
4450
4451 % Catcode (re)storing
4452 %
4453 \def\bidistorecatcode#1%
4454   {\escapechar\m@ne
4455    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
4456    {\catcode`\string#1=
4457     \the\catcode\expandafter`\string#1}%
4458    \catcode\expandafter`\string#1=12\relax
4459    \escapechar`\\relax}
4460 \def\bidi@restorecatcode#1%
4461   {\escapechar\m@ne
4462    \csname bidi@restorecatcode\string#1\endcsname
4463    \escapechar`\\relax}
4464
4465 % Construct a control sequence inside \edef
4466 %
4467 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
4468
4469 % Construct a control sequence out of #2, and give it to #1
4470 %
4471 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
4472
4473 % Pick an escapecharacter
4474 % this presumes that its argument is a character.
4475 %
4476 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
4477
4478 % Equality of strings.
4479 % the fast approach: does not work in expansion-only environment.
4480 %
4481 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
4482   \ifx\bidi@eqs@a\bidi@eqs@b}
4483
4484 % Test by expansion only
4485 %
4486 \def\bidi@EqualStringX#1#2{00\fi
4487   \csname if\@bidi@EqualStringX#1&#2&$\endcsname}
4488 \def\@bidi@EqualStringX#1#2$#3#4${\ifx#1#3%
4489   \ifx#1&true\else\bidi@hop@ES\@bidi@EqualStringX#2$#4$\fi
4490   \else false\fi}
4491 \def\bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
4492
4493 % Lexicographic ordering
4494 % note the use of \def
4495 % also note the characters 0,127,255 that are used,
4496 % these are not supposed to appear in the strings
4497 %

```



```

4498 {\catcode0=12 \catcode255=12 \catcode127=12
4499 \gdef\bid@StringBeforeNC#1#2{00\fi
4500 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
4501 \gdef\bid@CharsBeforeNC#1#2^^?#3#4^^?{%
4502 \ifcat#1\relax\def\bid@next{\bid@CharsBefore#2^^@^^?#3#4^^ff^^?}%
4503 \else\ifcat#3\relax\def\bid@next{\bid@CharsBefore#1#2^^@^^?#4^^ff^^?}%
4504 \else\ifnum\lccode`#1<\lccode`#3
4505 \def\bid@next{\csname iftrue\endcsname}%
4506 \else\ifnum\lccode`#1>\lccode`#3
4507 \def\bid@next{\csname iffalse\endcsname}%
4508 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
4509 \fi \fi \fi \fi
4510 \bid@next}
4511 \gdef\bid@StringBefore#1#2{00\fi
4512 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
4513 \gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
4514 \ifnum`#1<`#3
4515 \def\bid@next{\csname iftrue\endcsname}%
4516 \else\ifnum`#1>`#3
4517 \def\bid@next{\csname iffalse\endcsname}%
4518 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
4519 \fi\fi
4520 \bid@next}
4521 }
4522
4523 % Null argument test
4524 %
4525 \def\bid@empty{}
4526 \def\bid@ifempty#1{00\fi\expandafter\ifx\csname bid@#1@null\endcsname\bid@null}
4527 \def\bid@ifEmptyX#1{\expandafter\ifx\csname bid@#1@null\endcsname\bid@null}
4528 %\def\bid@ifEmpty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
4529 \def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
4530
4531 % Next character test
4532 %
4533 \def\bid@NextChar#1#2#3{00\fi
4534 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
4535 \futurelet\bid@nxt@c\@bid@ifnxtc}
4536 \def\bid@ifNextChar#1#2#3{%
4537 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
4538 \futurelet\bid@nxt@c\@bid@ifnxtc}
4539 \def\@bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
4540 \else \expandafter\bid@nxt@b \fi}
4541
4542 % Test for defined-ness of string as control sequence.
4543 % works inside \edef
4544 %
4545 \def\bid@undefinedcs#1{00\fi\bid@csarg\ifx{#1}\relax}
4546
4547 % Define uniquely defined dummy macros,
4548 % usually to serve as bumper blocks at the end of a list
4549 %
4550 \newcount\bid@dummies
4551 \def\DefNewDummy#1{

```



```

4552 \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
4553 \advance\bid@dummies\@ne
4554 \else
4555 \bid@error{Attempt at second definition of `#1'}
4556 \fi}
4557
4558 % string case statement
4559 % use: \bid@switch \iftest{...} in:
4560 % item1 action1
4561 % ...
4562 % itemn actionn
4563 % default defaultaction [optional]
4564 % \endbid@switch
4565 % inspired by Jonathan Fine: Some Basic Control Macros
4566 % Tugboat 12 #4
4567 %
4568 \let\@bid@fi\fi \let\endbid@switch\relax \DefNewDummy{\bid@default}
4569 \def\bid@switch@exit #1 \@bid@fi #2 \endbid@switch {\fi #1}
4570 \def\bid@switch #1#2#3{\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
4571 #1{#2}\bid@switch@exit #3 \@bid@fi
4572 \bid@switch {#1}
4573 }
4574 % this version puts the test object in {}
4575 \def\bid@oswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
4576 #1{#2}\bid@switch@exit #3 \@bid@fi
4577 \bid@switch #1 in:
4578 }
4579 % this version assumes that the test object is just one character
4580 \def\bid@cswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
4581 #1#2\bid@switch@exit #3 \@bid@fi
4582 \bid@cswitch #1 in:
4583 }
4584 % this version assumes that the test object can have an optional space
4585 \def\bid@bswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
4586 #1#2 \bid@switch@exit #3 \@bid@fi
4587 \bid@bswitch #1 in:
4588 }
4589 % this version can cope with significant spaces at the start of #3;
4590 % #2 is macro argument
4591 \def\bid@mswitch #1 in: #2:#3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
4592 #1{#2}\bid@switch@exit #3 \@bid@fi
4593 \bid@mswitch #1 in:
4594 }
4595 % idem; #2 does not have to be enclosed in braces
4596 \def\bid@fswitch #1 in: #2:#3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
4597 #1#2 \bid@switch@exit #3 \@bid@fi
4598 \bid@fswitch #1 in:
4599 }
4600
4601 % Routines for taking the value of a string:
4602 % if the string is defined as control sequence
4603 % take the value of that, otherwise take the string itself
4604
4605 % String or value of control sequence

```



```

4606 %
4607 \def\bidw@w#1{\if\bid@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
4608
4609 % String or control sequence
4610 %
4611 \def\@bid@w#1{\if\bid@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
4612
4613 % String or \noexpand-ed control sequence;
4614 % for use in \edef
4615 %
4616 \newif\ifbid@in@label
4617 \def\@bid@w#1{\if\bid@undefinedcs{#1}#1\else
4618     \ifbid@in@label\noexpand\protect\fi \bid@csname{#1}\fi}
4619 \newtoks\bid@are@these@correct
4620 \def\bid@t@w#1{%
4621     \if\bid@undefinedcs{#1}#1%
4622     \ifdefining\bid@append@to@list\bid@are@these@correct{#1 }\fi
4623     \else
4624     \ifin@label\noexpand\protect\fi \bid@csname{#1}\fi}
4625
4626 % List Manipulation .....
4627 % this assumes that #1 is a list of tokens, #2 is the name of a list
4628 %
4629 % Names of lists (and of items to pop into) are given as strings;
4630 % not as control sequences.
4631 %
4632 \newtoks\bid@toks@lista \newtoks\bid@toks@listb
4633 % basic append/prepend macro
4634 \long\def\@bid@append@to@csl#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
4635     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bid@toks@listb}%
4636 \long\def\@bid@prepend@to@csl#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
4637     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@listb}%
4638 \def\@bid@append@to@list{\bid@csarg\@bid@append@to@csl}%
4639 \def\@bid@prepend@to@list{\bid@csarg\@bid@prepend@to@csl}%
4640 % variations:
4641 \long\def\bid@append@to@list#1#2{\@bid@append@to@list{#1}{#2}}
4642 \long\def\bid@prepend@to@list#1#2{\@bid@prepend@to@list{#1}{#2}}
4643 \def\bid@append@list@to@list#1#2{%
4644     \@bid@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}%
4645 \def\bid@prepend@list@to@list#1#2{%
4646     \@bid@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}%
4647 \def\bid@append@csl@to@csl#1#2{%
4648     \@bid@append@to@csl{#1}\expandafter{\the#2}}
4649 \def\bid@prepend@csl@to@csl#1#2{%
4650     \@bid@prepend@to@csl{#1}\expandafter{\the#2}}
4651 \def\bid@append@toks@cst@to@list#1#2{\@bid@append@to@list{#1}\expandafter{\the#2}}
4652 \def\bid@prepend@toks@cst@to@list#1#2{\@bid@prepend@to@list{#1}\expandafter{\the#2}}
4653
4654 \let\bid@willbeunhskip\unhskip
4655
4656 % A few list macros for the user
4657 \def\NewTokenList:#1 {\bid@csarg\newtoks{#1}\global\csname#1\endcsname{}}
4658 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
4659 \long\def\AppendToTokenList:#1=#2 {\@bid@append@to@list{#1}{#2}}

```



```

4660 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}-{#2}}
4661 \def\TheTokenList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
4662   \if\bidi@undefinedcs{#1}\bidi@error{Token List <#1> undefined}
4663   \else\bidi@csarg\the{#1}\fi
4664   \let\bidi@willbeunhskip\bidi@oldwbuskip}
4665
4666 \def\bidi@del@tok@from@list#1#2{\begingroup
4667   \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM
4668     {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
4669     \edef\bidi@cs@listb{\global\bidi@csname{#1}=
4670       {\the\bidi@toks@lista\the\bidi@toks@listb}}%
4671     \bidi@cs@listb}%
4672   \edef\bidi@cs@lista{\noexpand\bidi@cs@liste{}\expandafter\the\csname#1\endcsname\noexpand
4673     \bidi@cs@lista \endgroup}
4674 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
4675   \bidi@in@front@of@cslist\bidi@cs@lista}
4676 \long\def\bidi@in@front@of@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
4677   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@list
4678   \endgroup}
4679 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
4680   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
4681     {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
4682     \expandafter\the\csname#1\endcsname}%
4683   }
4684 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
4685   \bidi@set@cslist\bidi@cs@lista}
4686 \long\def\bidi@set@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
4687   \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
4688
4689 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% Stack macros
4690 %
4691 % push in terms of prepending of lists
4692 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslist#1\expandafter{\expandafter\expandafter
4693 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
4694 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslist#1{\expandafter\the\expandafter\bidi@toks@list
4695 \def\bidi@local@push@onto#1#2{\let\relax
4696   \bidi@local@in@front@of@list{#1}{\expandafter\the\expandafter\bidi@toks@list
4697 % pop via auxiliary macro: #1 is result, #2 is stack
4698 % two cs arguments
4699 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
4700   {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
4701 % two string arguments
4702 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
4703   {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@bidi@pop
4704 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
4705 \def\bidi@copy@stacktop#1#2{%
4706   \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
4707     {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
4708   \bidi@cs@e}
4709 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
4710 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\expandafter\the\expandafter\bidi@toks@list
4711 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
4712 \def\bidi@length@of@csstack#1{\def\advance\bidi@stack@length\@ne%
4713   \bidi@stack@length\@ne \the#1}

```



```

4714 % turn a stack upside down
4715 \def\bidinvert@csstack#1{\bidlength@of@csstack{#1}%
4716 \bid@tempcountb\z@ \bid@temptoksa\bid@empty@stack
4717 \loop\ifnum\bid@tempcountb<\bid@stack@length
4718 \bid@pop@cs@into\bid@temptoksb#1\advance\bid@stack@length\m@ne
4719 \bid@push@cs@onto@cs\bid@temptoksa\bid@temptoksb
4720 % \bid@append@cslist@to@cslist\bid@temptoksb\bid@temptoksa% append a to b
4721 % \bid@temptoksa\bid@temptoksb
4722 \repeat% copy b to a
4723 #1\bid@temptoksa \bid@temptoksa\bid@empty@toks}
4724 % invert a stack into a list
4725 \def\bid@x@stack@to@list#1{\bidlength@of@stack{#1}%
4726 \bid@tempcountb\z@ \bid@temptoksa\bid@empty@toks
4727 \loop\ifnum\bid@tempcountb<\bid@stack@length
4728 \bid@pop@into\bid@temptoksb{#1}\advance\bid@stack@length\m@ne
4729 \bid@append@list@to@list\bid@temptoksb\bid@temptoksa\repeat
4730 \csname#1\endcsname\bid@temptoksa \bid@temptoksa\bid@empty@toks}
4731
4732
4733 % General loop macro:
4734 % \looprepeat
4735 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
4736 % \untilcondition{<cond>} \whilecondition{<cond>}
4737 % \doloopbody { <loop body> }
4738 % where all control sequences in between \looprepeat and \doloopbody are optional.
4739 %
4740 % var: characters to form a control sequence;
4741 % after \forvariable{index} you can access the loop counter as \index.
4742 % This is a count register; to print it use \number\index.
4743 % start,step,end: integers with obvious relations to the loop counter;
4744 % start and step have a default value of 1
4745 % cond: (sequence of commands ending in) any TeX \if... test.
4746 %
4747 % Count down instead of up with \downtovalue; the increment given in \bystep
4748 % is always positive, and is added or subtracted accordingly.
4749 %
4750 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
4751 % at the beginning of the loop body.
4752 %
4753 % Exit from middle of loop: \breaklooprepeat
4754 % use this at any place in the loop; in case of a conditional use
4755 % \ifsomething ... \expandafter \breaklooprepeat \fi
4756 %
4757 % Note that the line ends do not cause spaces in the output.
4758 %
4759 % Technical details:
4760 % The loop body is not executed in a group: the braces are those
4761 % of a token list.
4762 % The 'forvariable' variable is \let to a \count register.
4763
4764
4765
4766 % Auxiliary stuff
4767 \def\bid@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}

```



```

4768 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname
4769 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@
4770
4771 \newcount\bidilooprepeat@depth
4772 \let\endlooprepeat\relax \def\bidicsprotect{}
4773 % Trace switches may later be defined by PAC_utils
4774 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
4775
4776 % Main repeatloop macro
4777 % - go to next level and allocate unique counter/toks if this is the
4778 %   first time we visit this level
4779 % - setup: gather bounds and termination conditions
4780 % - scoop up body in token list; after the assignment define and
4781 %   execute body
4782 \def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
4783   \advance\bidilooprepeat@depth\@ne\relax
4784   \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
4785     \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}\bidilooprepeat@count
4786     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks
4787     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks
4788     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks
4789   \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@comp
4790   \edef\bidilooprepeat@tmp
4791     {\def\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@looprepeat}\bidilooprepeat@tmp
4792   \afterassignment\bidilooprepeat@dxbdy\bidilooprepeat@csromannumeral\bidilooprepeat@toks
4793
4794 % Define and execute loop body
4795 % This is done with an \edef to construct the actual sequence
4796 \def\bidilooprepeat@dxbdy{\bidilooprepeat@csargromannumeral\edef\bidilooprepeat@body}{%
4797   \bidilooprepeat@csargromannumeral\the\bidilooprepeat@wtest}%
4798   \noexpand\the\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@toks}%
4799   \bidilooprepeat@csargromannumeral\the\bidilooprepeat@utest}%
4800   \global\bidilooprepeat@csargromannumeral\advance\bidilooprepeat@count by \bidilooprepeat@count
4801   \noexpand\endlooprepeat
4802   \bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@looprepeat}}%
4803 \bidilooprepeat@csromannumeral\bidilooprepeat@body\ignorespaces}
4804
4805 % Stop test
4806 %% In order to stop, issue a
4807 % \breaklooprepeat which scoops up the rest of the body and exits
4808 \def\breaklooprepeat#1\endlooprepeat{\bidilooprepeat@zero\bidilooprepeat@csargromannumeral
4809   \advance\bidilooprepeat@depth\@m\@ne \bidilooprepeat@traceexit
4810 }
4811
4812
4813 % Setup
4814 % gather bounds and termination conditions
4815 \def\bidilooprepeat@setup#1{%
4816   \begingroup
4817     \def\forvariable##1{%
4818       \edef\bidilooprepeat@tmp{%
4819         \global\let\bidilooprepeat@csarg\noexpand{##1}\bidilooprepeat@csromannumeral\bidilooprepeat@tmp}%
4820       \bidilooprepeat@tmp}%
4821     \def\fromvalue##1{\bidilooprepeat@csargromannumeral\global\bidilooprepeat@count##1\ignorespaces}

```



```

4822 \def\tovalue##1{%
4823 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand\bidiloop
4824 {\bidilooprepeat@csargromannumeral\the\bidilooprepeat@wtest}%
4825 \noexpand\ifnum\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@count}\bi
4826 \noexpand\expandafter \noexpand\breaklooprepeat
4827 \noexpand\fi}\ignorespaces}%
4828 \bidilooprepeat@tmp}%
4829 \def\downtovalue##1{%
4830 \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}%
4831 \def\bystep##1{\ifnum##1<0 \bidilerror{LOOPREPEAT: increment has to be a positive value}
4832 \bidilooprepeat@csargromannumeral\gdef\bidilooprepeat@inc}{-##1}\else
4833 \bidilooprepeat@csargromannumeral\gdef\bidilooprepeat@inc}{##1}\fi\ignoresp
4834 \def\untilcondition##1{%
4835 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand\bidiloop
4836 {\noexpand##1\relax
4837 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
4838 \bidilooprepeat@tmp}%
4839 \def\whilecondition##1{%
4840 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand\bidiloop
4841 {\noexpand##1\relax \noexpand\else
4842 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
4843 \bidilooprepeat@tmp}%
4844 \fromvalue{\@ne}\bystep{\@ne}#1%
4845 \endgroup}
4846 \def\bidilooprepeat@zero
4847 {\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}{}\bidilooprepeat@csromannumeral{b
4848 \bidilooprepeat@csargromannumeral\def\bidilooprepeat@body}{}}
4849
4850 %\tracingmacros2
4851 %\newcount\tmpcount % used in some examples below
4852
4853 %\looprepeat \forvariable{i}
4854 % \bystep{2}
4855 % \doloopbody {
4856 % \ifnum i=13 \expandafter\breaklooprepeat \fi
4857 % \number{i} } %
4858 %}%
4859
4860 %\looprepeat \forvariable{iii}
4861 % \tovalue{8}
4862 % \doloopbody {}
4863 %After loop: \number{iii}%
4864
4865 %\looprepeat \forvariable{i}
4866 % \fromvalue{10}
4867 % \bystep{2}
4868 % \downtovalue{0}
4869 % \doloopbody {\number{i} }
4870
4871 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
4872 % \doloopbody {\number{x} }
4873
4874 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
4875

```




```

4876%\looprepeat \forvariable{j}
4877%      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
4878%  \doloopbody {\number\j} }
4879
4880%\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
4881% {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
4882%  \doloopbody {(\number\i.\number\j) }
4883% }
4884
4885% infinite loop
4886%\looprepeat \doloopbody {}
4887
4888\renewcommand{\InputIfFileExists}[2]{%
4889  \begingroup\expandafter\expandafter\expandafter\endgroup
4890  \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
4891    \expandafter\@secondoftwo
4892  \else
4893    \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
4894    \expandafter\@firstoftwo
4895  \fi
4896  {%
4897    \expandafter\InputIfFileExists\expandafter{\csname
4898      #1-@bidi@alias\endcsname}{#2}%
4899  }%
4900  {\IfFileExists{#1}{%
4901    \bidi@load@hook{before}{#1}%
4902    #2\@addtofilelist{#1}%
4903    \@@input \@filef@und
4904    \bidi@load@hook{after}{#1}%
4905  }}%
4906 }
4907
4908\newcommand*{\bidi@loadwithoptions}{%
4909\newcommand*{\bidi@loadwithoptions}{%
4910\let\bidi@loadwithoptions\@loadwithoptions
4911
4912\renewcommand*{\@loadwithoptions}[3]{%
4913  \begingroup\expandafter\expandafter\expandafter\endgroup
4914  \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
4915    \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
4916  \else
4917    \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
4918    \def\bidi@loadwithoptions{%
4919      \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
4920    }%
4921  \fi
4922  \bidi@loadwithoptions
4923 }
4924
4925\newcommand*{\bidi@onefilewithoptions}{%
4926\let\bidi@onefilewithoptions\@onefilewithoptions
4927\def\@onefilewithoptions#1[#2][#3]#4{%
4928  \begingroup\expandafter\expandafter\expandafter\endgroup
4929  \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax

```



```

4930 \def\bid@onefilewithoptions{\bid@onefilewithoptions{#1}}%
4931 \else
4932 \bid@replacefile@msg{\csname #1.#4-@bid@aliasname\endcsname.#4}{#1.#4}%
4933 \edef\bid@onefilewithoptions{%
4934 \noexpand\@onefilewithoptions{\csname #1.#4-@bid@aliasname\endcsname}}%
4935 \fi
4936 \bid@onefilewithoptions[{#2}][{#3}]{#4}%
4937 \bid@load@hook{lateafter}{#1.#4}%
4938 }
4939
4940 \newcommand*\bid@ReplaceInput}[2]{%
4941 \expandafter\edef\csname #1-@bid@alias\endcsname{#2}%
4942 }
4943
4944 \newcommand*\bid@UnReplaceInput}[1]{%
4945 \ifcsname #1-@bid@alias\endcsname
4946 \expandafter\let\csname #1-@bid@alias\endcsname\relax
4947 \fi
4948 }
4949
4950 \newcommand*\@bid@replacefilewithtext}[3]{%
4951 \expandafter\edef\csname #1.#3-@bid@aliasname\endcsname{#2}%
4952 }
4953 \newcommand*\bid@ReplacePackage}[2]{%
4954 \@bid@replacefilewithtext{#1}{#2}\@pkgextension
4955 }
4956 \newcommand*\bid@ReplaceClass}[2]{%
4957 \@bid@replacefilewithtext{#1}{#2}\@clsextension
4958 }
4959 \newcommand*\@bid@unreplacefilewithtext}[2]{%
4960 \ifcsname #1.#2-@bid@aliasname\endcsname
4961 \expandafter\let\csname #1.#2-@bid@aliasname\endcsname\relax
4962 \fi
4963 }
4964 \newcommand*\bid@UnReplacePackage}[1]{%
4965 \@bid@unreplacefilewithtext{#1}\@pkgextension
4966 }
4967 \newcommand*\bid@UnReplaceClass}[1]{%
4968 \@bid@unreplacefilewithtext{#1}\@clsextension
4969 }
4970 \newcommand*\bid@replacefile@msg}[2]{%
4971 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
4972 }
4973
4974 \newcommand*\bid@load@hook}[2]{%
4975 \@ifundefined{#2-@#1}{}%
4976 \@nameuse{#2-@#1}%
4977 \expandafter\let\csname #2-@#1\endcsname=\relax}}
4978 \newcommand*\bid@set@load@hook}[2]{%
4979 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}}{}}%
4980 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
4981 \newcommand*\bid@BeforeFile}{\bid@set@load@hook{before}}
4982 \newcommand*\bid@AfterFile}{\bid@set@load@hook{after}}
4983 \newcommand*\bid@BeforeClass}[1]{%

```



```

4984 \bidi@set@load@hook{before}{#1.\@clsextension}}
4985 \newcommand*{\bidi@AfterClass}{%
4986 \ifstar {\@s@bidi@AfterClass}{%
4987 \ifnextchar +\@@bidi@AfterClass{%
4988 \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
4989 }%
4990 }%
4991 }
4992
4993 \newcommand*{\@@@bidi@AfterClass}[2]{%
4994 \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
4995 \aftergroup\@s@bidi@AfterClass
4996 \else
4997 \aftergroup\bidi@AfterAtEndOfClass
4998 \fi
4999 \endgroup{#2}%
5000 }
5001
5002 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
5003 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
5004 \newcommand*{\@@@bidi@AfterClass}[2]{%
5005 \begingroup
5006 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
5007 \aftergroup\@s@bidi@AfterClass
5008 \else
5009 \aftergroup\@bidi@AfterClass
5010 \fi
5011 \endgroup{#2}%
5012 }
5013
5014 \newcommand*{\@bidi@AfterClass}[1]{%
5015 \bidi@set@load@hook{after}{#1.\@clsextension}}
5016 \newcommand*{\@s@bidi@AfterClass}[1]{%
5017 \begingroup
5018 \ifclassloaded{#1}{%
5019 \aftergroup\@secondoftwo
5020 }{%
5021 \aftergroup\@bidi@AfterClass
5022 }%
5023 \endgroup
5024 {#1}%
5025 }
5026
5027
5028 \newcommand*{\bidi@BeforePackage}[1]{%
5029 \bidi@set@load@hook{before}{#1.\@pkgextension}}
5030 \newcommand*{\bidi@AfterPackage}{%
5031 \ifstar {\@s@bidi@AfterPackage}{%
5032 \ifnextchar +\@@@bidi@AfterPackage{%
5033 \ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
5034 }%
5035 }%
5036 }
5037 \newcommand*{\@@@bidi@AfterPackage}[2]{%

```



```

5038 \beginingroup\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
5039 \aftergroup\@s@bidi@AfterPackage
5040 \else
5041 \aftergroup\@bidi@AfterAtEndOfPackage
5042 \fi
5043 \endgroup{#2}%
5044 }
5045 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
5046 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
5047 \newcommand*{\@@bidi@AfterPackage}[2]{%
5048 \beginingroup
5049 \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
5050 \aftergroup\@s@bidi@AfterPackage
5051 \else
5052 \aftergroup\@bidi@AfterPackage
5053 \fi
5054 \endgroup{#2}%
5055 }
5056 \newcommand*{\@bidi@AfterPackage}[1]{%
5057 \bidi@set@load@hook{after}{#1.\@pkgextension}}
5058 \newcommand*{\@s@bidi@AfterPackage}[1]{%
5059 \beginingroup
5060 \@ifpackageloaded{#1}{%
5061 \aftergroup\@secondoftwo
5062 }{%
5063 \aftergroup\@bidi@AfterPackage
5064 }%
5065 \endgroup
5066 {#1}%
5067 }
5068
5069 \newcommand*{\@bidi@excludedpackages}{\@empty}
5070 \let\@bidi@excludedpackages\@empty
5071 \newcommand*{\@bidi@saved@RequirePackage}{\@empty}
5072 \newcommand*{\@bidi@PreventPackageFromLoading}{\@empty}
5073 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
5074 {\@bidi@PreventPackageFromLoading\PackageWarning}%
5075 }
5076 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
5077 \@ifnextchar [%]
5078 {\@@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
5079 }
5080 \newcommand*{\@@bidi@PreventPackageFromLoading}{\@empty}
5081
5082 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
5083 \edef\reserved@b{\zap@space#3 \@empty}%
5084 \ifx \reserved@b\@empty
5085 #1{\@bidi@tools}{%
5086 \string\@bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
5087 argument ignored%
5088 }%
5089 \else
5090 \ifx\@bidi@excludedpackages\@empty
5091 \let\@bidi@saved@RequirePackage\RequirePackage

```



```

5092 \let\RequirePackage\ bidi@RequirePackage
5093 \def\reserved@a##1##{%
5094   \@latex@error
5095   {\noexpand \usepackage before \string\documentclass}%
5096   {\noexpand \usepackage may only appear in the document
5097    preamble, i.e.,\MessageBreak
5098    between \noexpand\documentclass and
5099    \string\begin{document}.}%
5100   \@gobble}%
5101 \ifx\reserved@a\usepackage\else
5102   \ifx\usepackage\ bidi@saved@RequirePackage\else
5103     \PackageWarning{biditools}{%
5104       Maybe serious problem: unexpected definition of\MessageBreak
5105       \string\usepackage
5106     }%
5107   \fi
5108   \let\usepackage\RequirePackage
5109 \fi
5110 \fi
5111 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
5112 \reserved@b\do {%
5113   \ifx\reserved@a@empty
5114     #1{biditools}{%
5115       empty package argument for
5116       \string\ bidi@PreventPackageFromLoading\MessageBreak
5117       ignored%
5118     }%
5119   \else
5120     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
5121       #1{biditools}{%
5122         package '\reserved@a' already loaded.\MessageBreak
5123         Cannot prevent it from being loaded%
5124       }%
5125     }{%
5126       \edef\ bidi@excludedpackages{\ bidi@excludedpackages,%
5127         \reserved@a}%
5128       \if\relax\detokenize{#2}\relax\else
5129         \ifundefined{\ bidi@exclude@package@\reserved@a @do}{%
5130           \@namedef{\ bidi@exclude@package@\reserved@a @do}{}%
5131         }{%
5132           \expandafter\def
5133           \csname \ bidi@exclude@package@\reserved@a
5134             @do\expandafter\expandafter\expandafter\endcsname
5135           \expandafter\expandafter\expandafter{%
5136             \csname \ bidi@exclude@package@\reserved@a @do\endcsname
5137             #2%
5138           }%
5139         \fi
5140       }%
5141     \fi
5142   }%
5143 \ifx\ bidi@excludedpackages@empty
5144   \ bidi@ResetPreventPackageFromLoading
5145 \fi

```



```

5146 \fi
5147 }
5148
5149 \@onlypreamble\bidipreventPackageFromLoading
5150 \newcommand*{\bidiresetPreventPackageFromLoading}{%
5151 \let\bidixcludedpackages\@empty
5152 \ifx\RequirePackage\bidirequirePackage
5153 \ifx\usepackage\RequirePackage
5154 \let\usepackage\bidisavedRequirePackage
5155 \fi
5156 \let\RequirePackage\bidisavedRequirePackage
5157 \fi
5158 }
5159 \@onlypreamble\bidiresetPreventPackageFromLoading
5160 \newcommand*{\bidistorePreventPackageFromLoading}[1]{%
5161 \let#1\bidixcludedpackages
5162 }
5163 \@onlypreamble\bidistorePreventPackageFromLoading
5164 \newcommand*{\bidibunpreventPackageFromLoading}{%
5165 \ifstar {\@tempwatrue\@bidibunpreventPackageFromLoading}%
5166 {\@tempwafalse\@bidibunpreventPackageFromLoading}%
5167 }
5168
5169 \newcommand*{\@bidibunpreventPackageFromLoading}[1]{%
5170 \edef\reservedb{\zap@space#1 \@empty}%
5171 \if@tempswa
5172 \for\reserveda:=\reservedb\do {%
5173 \ifx\reserveda\@empty \else
5174 \ifcsname bidi@exclude@package@\reserveda @do\endcsname
5175 \expandafter\let
5176 \csname bidi@exclude@package@\reserveda @do\endcsname
5177 \undefined
5178 \fi
5179 \fi
5180 }%
5181 \fi
5182 \ifcsname bidi@excludedpackages\endcsname
5183 \let\reserveda\bidixcludedpackages
5184 \let\bidixcludedpackages\@empty
5185 \expandafter\for\reservedc
5186 \expandafter:\expandafter=\reserveda
5187 \do{%
5188 \ifx\reservedc\@empty\else
5189 \@expandtwoargs\in{,\reservedc,}{,\reservedb,}%
5190 \ifin@
5191 \else
5192 \edef\bidixcludedpackages{%
5193 \bidixcludedpackages,\reservedc
5194 }%
5195 \fi
5196 \fi
5197 }%
5198 \ifx\bidixcludedpackages\@empty\bidiresetPreventPackageFromLoading\fi
5199 \fi

```



```

5200 }
5201
5202
5203 \newcommand*{\bidi@RequirePackage}[2] [] {%
5204   \let\reserved@c\@empty
5205   \let\reserved@d\@empty
5206   \edef\reserved@b{\zap@space#2 \@empty}%
5207   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
5208   \do {%
5209     \begingroup
5210       \@tempswatrue
5211       \@for\reserved@a:=\bidi@excludedpackages\do {%
5212         \ifx\reserved@a\reserved@b
5213           \@tempswafalse
5214         \fi
5215       }%
5216       \if@tempswa
5217         \xdef\reserved@c{\reserved@c,\reserved@b}%
5218       \else
5219         \ifx\reserved@b\@empty\else
5220           \PackageInfo{biditools}{Excluding package `~\reserved@b'\MessageBreak
5221             from loading}%
5222           \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
5223             }{%
5224               \expandafter\g@addto@macro\expandafter\reserved@d
5225               \csname bidi@exclude@package@\reserved@b @do\endcsname
5226             }%
5227         \fi
5228       \fi
5229     \endgroup
5230   }%
5231   \ifx\reserved@c\@empty
5232     \let\reserved@a\bidi@gobbleopt
5233   \else
5234     \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
5235       \expandafter\@gobble\reserved@c\@empty}}%
5236   \fi
5237   \expandafter\reserved@d
5238   \reserved@a
5239 }
5240
5241 \newcommand{\bidi@gobbleopt}[1] [] {}
5242 \AtEndDocument{%
5243   \let\bidi@saved@checkend=\@checkend
5244   \renewcommand*{\@checkend}[1] {%
5245     \def\reserved@a{#1}\def\reserved@b{document}%
5246     \bidi@saved@checkend{#1}%
5247     \ifx\reserved@a\reserved@b
5248       \let\bidi@saved@clearpage=\clearpage
5249       \renewcommand*{\clearpage}{\bidi@saved@clearpage
5250         \bidi@hook@bcma
5251         \bidi@restore@newpage
5252         \let\clearpage=\bidi@saved@clearpage}%
5253     \fi%

```



```

5254 \let\bidisaved@dofilelist\@dofilelist
5255 \def\@dofilelist{%
5256   \bidi@hook@acma
5257   \let\@dofilelist\bidisaved@dofilelist
5258   \bidisaved@dofilelist
5259 }%
5260 }%
5261 }
5262
5263
5264 \newcommand*{\bidisaved@checkend}{%
5265 \newcommand*{\bidisaved@dofilelist}{%
5266 \newcommand*{\bidi@redefine@newpage}{%
5267   \let\bidisaved@newpage\newpage
5268   \def\bidi@restore@newpage{%
5269     \renewcommand*{\newpage}{%
5270       \PackageWarningNoLine{%
5271         biditools%
5272       }{%
5273         \string\newpage\space at main aux file!\MessageBreak
5274         You have output material at the main aux file.\MessageBreak
5275         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
5276         are processed before the output from aux file%
5277       }%
5278       \let\newpage\bidisaved@newpage
5279       \newpage
5280     }%
5281   }%
5282 \renewcommand*{\newpage}{%
5283   \PackageError{%
5284     biditools%
5285   }{%
5286     \string\newpage\space at \string\bidi@BeforeClosingMainAux
5287   }{%
5288     You should never use \string\newpage\space or
5289     \string\clear(double)page or other output material at the\MessageBreak
5290     argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
5291     If you'll continue, the \string\newpage\space will be ignored to
5292     avoid corruption of\MessageBreak
5293     every prior use of \string\bidi@BeforeClosingMainAux.
5294   }%
5295 }%
5296 }
5297
5298 \newcommand*{\bidi@restore@newpage}{%
5299 \newcommand*{\bidi@hook@bcma}{%
5300 \newcommand*{\bidi@hook@acma}{%
5301 \newcommand*{\bidi@BeforeClosingMainAux}{%
5302   \ifx\bidi@hook@bcma\@empty
5303     \gdef\bidi@hook@bcma{%
5304       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
5305       \let\protected@write\bidi@protected@immediate@write
5306       \bidi@redefine@newpage
5307     }%

```




```

5308 \fi
5309 \g@addto@macro\bid@hook@bcma%
5310 }
5311
5312 \newcommand*{\bid@AfterReadingMainAux}{%
5313 \ifx\bid@hook@acma\@empty
5314 \gdef\bid@hook@acma{%
5315 \renewcommand*{\bid@AfterReadingMainAux}[1]{###1}%
5316 \let\protected@write\bid@protected@immediate@write
5317 }%
5318 \fi
5319 \g@addto@macro\bid@hook@acma%
5320 }
5321
5322 \long\def\bid@protected@immediate@write#1#2#3{%
5323 \begingroup
5324 #2%
5325 \let\protect\@unexpandable@protect
5326 \edef\reserved@a{\immediate\write#1{#3}}%
5327 \reserved@a
5328 \endgroup
5329 \if@nobreak\ifvmode\nobreak\fi\fi
5330 }
5331
5332 \def\bid@patch@counter{0}%
5333 \if@bid@csundef{numexpr}{%
5334 \def\bid@patch@stepcounter{%
5335 \begingroup
5336 \count@\bid@patch@counter\relax
5337 \advance\count@\@ne\relax
5338 \edef\x{\endgroup
5339 \noexpand\def\noexpand\bid@patch@counter{\the\count@}%
5340 }%
5341 \x
5342 }%
5343 }{%
5344 \def\bid@patch@stepcounter{%
5345 \edef\bid@patch@counter{%
5346 \the\numexpr\bid@patch@counter+\@ne\relax
5347 }%
5348 }%
5349 }
5350 \def\bid@patch@list{}
5351 \def\bid@patch@Add{%
5352 \bid@appto\bid@patch@list
5353 }
5354 \def\bid@patch@AfterPackage#1{%
5355 \@ifpackageloaded{#1}{%
5356 \@firstofone
5357 }{%
5358 \bid@patch@AfterPackage{#1}%
5359 }%
5360 }
5361 \def\@bid@patch@AfterPackage#1{%

```



```

5362 \edef\bidipatch@temp{#1}%
5363 \bidipatch@stepcounter
5364 \expandafter\bidipatch@@AfterPackage
5365 \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
5366   \bidipatch@temp
5367 }%
5368 }
5369 \def\bidipatch@@AfterPackage#1#2#3{%
5370   \begingroup
5371     \toks@{#3}%
5372     \xdef\bidipatch@gtemp{%
5373       \noexpand\ifpackageloaded{#2}{%
5374         \noexpand\let\noexpand#1\noexpand\relax
5375         \the\toks@
5376       }{%
5377       }%
5378     \endgroup
5379     \let#1\bidipatch@gtemp
5380     \bidipatch@Add#1%
5381     \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
5382 }
5383
5384 \def\bidipatch@try#1#2#3{%
5385   \if@bidicsundef{#1}{%
5386     \csname #1\endcsname{#2}{#3}%
5387   }%
5388 }
5389
5390 \AtBeginDocument{\bidipatch@list}
5391
5392 \bidipatch@AtEndPreamble{\bidipatch@list}%
5393
5394 \bidipatch@AfterEndPreamble{%
5395   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
5396   \let\bidipatch@OrgIfPackageLater\ifpackagelater
5397   \let\bidipatch@OrgIfClassLoaded\ifclassloaded
5398   \let\bidipatch@OrgIfClassLater\ifclasslater
5399   \bidipatch@list
5400   \let\ifpackageloaded\bidipatch@OrgIfPackageLoaded
5401   \let\ifpackagelater\bidipatch@OrgIfPackageLater
5402   \let\ifclassloaded\bidipatch@OrgIfClassLoaded
5403   \let\ifclasslater\bidipatch@OrgIfClassLater
5404 }%

```

33 File `bidituftefloat.sty`

```

5405 \NeedsTeXFormat{LaTeX2e}
5406 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
5407 bidi implementation of tufte float]
5408 \RequirePackage{xifthen}
5409 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
5410 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
5411 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidituftefloat@debug}}{\bid
5412 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}

```



```

5413 \newboolean{@bidituftefloat@reversegeometry}
5414 \setboolean{@bidituftefloat@reversegeometry}{false}
5415 \DeclareOption{reversegeometry}{\setboolean{@bidituftefloat@reversegeometry}{true}}
5416 \newboolean{@bidituftefloat@a4paper}
5417 \DeclareOption{a4paper}{\setboolean{@bidituftefloat@a4paper}{true}}
5418 \newboolean{@bidituftefloat@b5paper}
5419 \DeclareOption{b5paper}{\setboolean{@bidituftefloat@b5paper}{true}}
5420 \newboolean{@bidituftefloat@symmetric}
5421 \newboolean{@bidituftefloat@twoside}
5422 \DeclareOption{twoside}{%
5423 \@twoside true \@mparswitch true%
5424 \setboolean{@bidituftefloat@twoside}{true}%
5425 \setboolean{@bidituftefloat@symmetric}{true}%
5426 }
5427 \DeclareOption{oneside}{%
5428 \@twoside false \@mparswitch false%
5429 \setboolean{@bidituftefloat@twoside}{false}%
5430 \setboolean{@bidituftefloat@symmetric}{false}%
5431 }
5432 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
5433 \newboolean{@bidituftefloat@debug}
5434 \newcommand*{@@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodetect}
5435 \ProcessOptions
5436 %% Globally sets the length
5437 \newcommand*{\gsetlength}[2]{%
5438 \setlength{#1}{#2}%
5439 \global#1=#1\relax%
5440 }
5441
5442 %% Set the font sizes and baselines to match bidituftefloat's books
5443 \renewcommand\normalsize{%
5444 \setfontsize\normalsize\@xpt{14}%
5445 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
5446 \abovedisplayshortskip \z@ \@plus3\p@
5447 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
5448 \belowdisplayskip \abovedisplayskip
5449 \let\@listi\@listI}
5450 \normalbaselineskip=14pt
5451 \normalsize
5452 \renewcommand\footnotesize{%
5453 \setfontsize\footnotesize\@viipt{10}%
5454 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
5455 \abovedisplayshortskip \z@ \@plus\p@
5456 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
5457 \def\@listi{\leftmargin\leftmarginI
5458 \topsep 3\p@ \@plus\p@ \@minus\p@
5459 \parsep 2\p@ \@plus\p@ \@minus\p@
5460 \itemsep \parsep}%
5461 \belowdisplayskip \abovedisplayskip
5462 }
5463 %% Paragraph indentation and separation for marginal text
5464 \newcommand{\@bidituftefloat@margin@par}{%
5465 \setlength{\RaggedRightParindent}{0.5pc}%
5466 \setlength{\JustifyingParindent}{0.5pc}%

```



```

5467 \setlength{\parindent}{0.5pc}%
5468 \setlength{\parskip}{0pt}%
5469 }
5470 \RequirePackage{ragged2e}
5471 \ifthenelse{\boolean{@bidituftefloat@reversegeometry}}{%
5472 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
5473 \ifthenelse{\boolean{@bidituftefloat@afourpaper}}
5474 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
5475 {}
5476 \ifthenelse{\boolean{@bidituftefloat@bfivepaper}}
5477 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
5478 {}}%
5479 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
5480 \ifthenelse{\boolean{@bidituftefloat@afourpaper}}
5481 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
5482 {}
5483 \ifthenelse{\boolean{@bidituftefloat@bfivepaper}}
5484 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
5485 {}
5486 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
5487 {}
5488 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
5489 \setlength{\marginparpush}{10pt}
5490 %% Font for margin items
5491 \newcommand{\@bidituftefloat@marginfont}{\normalfont\footnotesize}
5492 \newcommand*{\@bidituftefloat@caption@font}{\@bidituftefloat@marginfont}
5493 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidituftefloat@caption@font}{#1}}
5494 \newcommand{\@bidituftefloat@justification}{\justifying}%
5495 \setlength{\abovedisplayskip}{6pt plus 2pt minus 4pt}
5496 \setlength{\belowdisplayskip}{6pt plus 2pt minus 4pt}
5497 \newboolean{@bidituftefloat@changepage}
5498 \IfFileExists{changepage.sty}{%
5499 \bidituftefloatDebugInfoNL{Found changepage.sty}
5500 \RequirePackage[strict]{changepage}
5501 \setboolean{@bidituftefloat@changepage}{true}
5502 }{%
5503 \bidituftefloatDebugInfoNL{Found chngpage.sty}
5504 \RequirePackage[strict]{chngpage}
5505 \setboolean{@bidituftefloat@changepage}{false}
5506 }
5507 \newboolean{@bidituftefloat@odd@page}
5508 \setboolean{@bidituftefloat@odd@page}{true}
5509 \newcommand*{\@bidituftefloat@checkoddpage}{%
5510 \checkoddpage%
5511 \ifthenelse{\boolean{@bidituftefloat@changepage}}{%
5512 \ifoddpage%
5513 \setboolean{@bidituftefloat@odd@page}{true}%
5514 \else%
5515 \setboolean{@bidituftefloat@odd@page}{false}%
5516 \fi%
5517 }{%
5518 \ifcpoddpage%
5519 \setboolean{@bidituftefloat@odd@page}{true}%
5520 \else%

```



```

5521     \setboolean{@biditytfloat@odd@page}{false}%
5522     \fi%
5523 }%
5524 }
5525 \newlength{@biditytfloat@overhang}% used by the fullwidth environment and the running head
5526 \newlength{@biditytfloat@fullwidth}
5527 \newlength{@biditytfloat@caption@fill}
5528 \newcommand{@biditytfloatRecalculate}{%
5529     \setlength{@biditytfloat@overhang}{\marginparwidth}
5530     \addtolength{@biditytfloat@overhang}{\marginparsep}
5531
5532     \setlength{@biditytfloat@fullwidth}{\textwidth}
5533     \addtolength{@biditytfloat@fullwidth}{\marginparsep}
5534     \addtolength{@biditytfloat@fullwidth}{\marginparwidth}
5535
5536     \setlength{@biditytfloat@caption@fill}{\textwidth}
5537     \addtolength{@biditytfloat@caption@fill}{\marginparsep}
5538 }
5539 \AtBeginDocument{@biditytfloatRecalculate}
5540 \RequirePackage{optparams}% provides multiple optional arguments for commands
5541 \RequirePackage{placeins}
5542 \newsavebox{@biditytfloat@margin@floatbox}
5543 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
5544 {
5545     \FloatBarrier% process all floats before this point so the figure/table numbers stay in order
5546     \begin{lrbox}{@biditytfloat@margin@floatbox}%
5547         \begin{minipage}{\marginparwidth}%
5548             \@biditytfloat@caption@font%
5549             \def\capttype{#2}%
5550             \hbox{\vspace*{#1}%
5551                 \@biditytfloat@caption@justification%
5552                 \@biditytfloat@margin@par%
5553                 \noindent%
5554             }
5555         \end{minipage}%
5556     \end{lrbox}%
5557     \marginpar{\usebox{@biditytfloat@margin@floatbox}}%
5558 }
5559 \newenvironment{marginfigure}[1][-1.2ex]%
5560 {
5561     \begin{@biditytfloat@margin@float}[#1]{figure}
5562 }
5563 {\end{@biditytfloat@margin@float}}
5564 \newenvironment{margintable}[1][-1.2ex]%
5565 {
5566     \begin{@biditytfloat@margin@float}[#1]{table}
5567 }
5568 {\end{@biditytfloat@margin@float}}
5569 \newcommand*{@biditytfloat@justification@autodetect}{\justifying}%
5570
5571 \newcommand{@biditytfloat@float@debug@info}{% contains debug info generated as the float is processed
5572 \newcommand{@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
5573 \ifthenelse{equal{@biditytfloat@float@debug@info}{}}{
5574     {\def{@biditytfloat@float@debug@info}{#1}}%
5575     {\g@addto@macro{@biditytfloat@float@debug@info}{\MessageBreak#1}}%
5576 }
5577 }
5578 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
5579 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{setfloatalignment: #1}}
5580 \newboolean{@biditytfloat@float@recto}

```



```

5575 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@bidituftefloat@float@recto}{true}\@bidituf
5576 \newcommand{\forceversofloat}{\GlobalSetBoolean{@bidituftefloat@float@recto}{false}\@bidituf
5577 \newsavebox{\@bidituftefloat@figure@box}
5578 \newsavebox{\@bidituftefloat@caption@box}
5579 \let\@bidituftefloat@orig@float\@float
5580 \let\@bidituftefloat@orig@endfloat\end@float
5581 \newlength{\@bidituftefloat@caption@vertical@offset}
5582 \setlength{\@bidituftefloat@caption@vertical@offset}{0pt}
5583 \newcommand{\@bidituftefloat@stored@shortcaption}{\@caption}
5584 \newcommand{\@bidituftefloat@stored@caption}{\@caption}
5585 \newcommand{\@bidituftefloat@stored@label}{\@label}
5586 \long\def\@bidituftefloat@caption[#1][#2]#3{%
5587   \ifthenelse{\isempty{#1}}%
5588     {\gdef\@bidituftefloat@stored@shortcaption{#3}}%
5589     {\gdef\@bidituftefloat@stored@shortcaption{#1}}%
5590   \gsetlength{\@bidituftefloat@caption@vertical@offset}{-#2}% we want a positive offset to l
5591   \gdef\@bidituftefloat@stored@caption{#3}%
5592 }
5593 \newcommand{\@bidituftefloat@label}[1]{%
5594   \gdef\@bidituftefloat@stored@label{#1}%
5595 }
5596 \newcommand{\@bidituftefloat@fps}{\@caption}
5597 \newboolean{@bidituftefloat@float@star}
5598 \newlength{\@bidituftefloat@float@contents@width}
5599 \newenvironment{@bidituftefloat@float}[3][htbp]{%
5600   {% begin @bidituftefloat@float
5601     % Should this float be full-width or just text-width?
5602     \ifthenelse{\equal{#3}{star}}%
5603       {\GlobalSetBoolean{@bidituftefloat@float@star}{true}}%
5604       {\GlobalSetBoolean{@bidituftefloat@float@star}{false}}%
5605     % Check page side (recto/verso) and store detected value -- can be overridden in environm
5606     \@bidituftefloat@checkoddpagelength%
5607     \ifthenelse{\boolean{@bidituftefloat@odd@page}}%
5608       {\GlobalSetBoolean{@bidituftefloat@float@recto}{true}\@bidituftefloat@float@debug{Dete
5609       {\GlobalSetBoolean{@bidituftefloat@float@recto}{false}\@bidituftefloat@float@debug{Det
5610     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
5611     \renewcommand{\@bidituftefloat@fps}{#1}%
5612     \@bidituftefloat@float@debug{Allowed positions: [ #1 ]}%
5613     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
5614       {\renewcommand{\floatalignment}{b}\@bidituftefloat@float@debug{Presumed position: [bot
5615       {\renewcommand{\floatalignment}{t}\@bidituftefloat@float@debug{Presumed position: [top
5616     % Capture the contents of the \caption and \label commands to use later
5617     \global\let\@bidituftefloat@orig@caption\caption%
5618     \global\let\@bidituftefloat@orig@label\label%
5619     \renewcommand{\caption}{\@caption[\@caption]{\@caption}[Opt]}%
5620     \renewcommand{\label}[1]{\@bidituftefloat@label{##1}}%
5621     % Handle subfigure package compatibility
5622     \ifthenelse{\boolean{@bidituftefloat@packages@subfigure}}{%
5623       \bidi@patchcmd{\subfigure}{%
5624         \let\subfig@oldlabel=\label
5625       }{%
5626         \let\subfig@oldlabel=\@bidituftefloat@orig@label
5627       }
5628     }

```



```

5629     {}
5630     \let\subtable=\subfigure
5631 }{}% subfigure package is not loaded
5632 \@biditytfloat@orig@float{#2}[#1]%
5633 \ifthenelse{\boolean{@biditytfloat@float@star}}%
5634     {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
5635     {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
5636 \begin{lrbox}{\@biditytfloat@figure@box}%
5637 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{}%
5638 }{% end @biditytfloat@float
5639     \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% a
5640     \end{minipage}%
5641 \end{lrbox}%
5642 % build the caption box
5643 \begin{lrbox}{\@biditytfloat@caption@box}%
5644 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
5645     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@cap
5646     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label
5647     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
5648     \end{minipage}%
5649 \end{lrbox}%
5650 % now typeset the stored boxes
5651 \begin{fullwidth}%
5652     \begin{minipage}[\floatalignment]{\linewidth}%
5653         \ifthenelse{\boolean{@biditytfloat@float@star}}%
5654             {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
5655             {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
5656         \end{minipage}%
5657 \end{fullwidth}%
5658 \@biditytfloat@orig@endfloat% end original LaTeX float environment
5659 % output debug info
5660 \ifthenelse{\boolean{@biditytfloat@debug}}{%
5661     \typeout{^^J^^J----- biditytfloat package float information -----}%
5662     \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
5663         {\typeout{Warning: Float unlabeled!}}%
5664         {\typeout{Float label: [\@biditytfloat@stored@label]}}%
5665     \typeout{Page number: [\thepage]}%
5666     \def\MessageBreak{^^J}%
5667     \typeout{\@biditytfloat@float@debug@info}%
5668     \ifthenelse{\boolean{@biditytfloat@symmetric}}%
5669         {\typeout{Symmetric: [true]}}%
5670         {\typeout{Symmetric: [false]}}%
5671     \typeout{-----^^J^^J}%
5672 }{}%
5673 % reset commands and temp boxes and captions
5674 \gdef\@biditytfloat@float@debug@info{}%
5675 \let\caption\@biditytfloat@orig@caption%
5676 \let\label\@biditytfloat@orig@label%
5677 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
5678 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
5679 \gdef\@biditytfloat@stored@shortcaption{}%
5680 \gdef\@biditytfloat@stored@caption{}%
5681 \gdef\@biditytfloat@stored@label{}%
5682 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset

```



```

5683 }
5684 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
5685 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}
5686 % asymmetric or page is odd, so caption is on the right
5687 \hbox{%
5688 \usebox{#2}%
5689 \hspace{\marginparsep}%
5690 \smash{\raisebox{#1}{\usebox{#3}}}%
5691 }
5692 \@biditytfloat@float@debug{Caption position: [right]}%
5693 }{% symmetric pages and page is even, so caption is on the left
5694 \hbox{%
5695 \smash{\raisebox{#1}{\usebox{#3}}}%
5696 \hspace{\marginparsep}%
5697 \usebox{#2}%
5698 }
5699 \@biditytfloat@float@debug{Caption position: [left]}%
5700 }%
5701 }
5702 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
5703 \ifthenelse{\equal{\floatalignment}{b}}{%
5704 {% place caption above figure
5705 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}
5706 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug
5707 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug
5708 }% place caption below figure
5709 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}
5710 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug
5711 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug
5712 }%
5713 }
5714 \renewenvironment{figure}[1][htbp]%
5715 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
5716 {\end{@biditytfloat@float}}
5717 \renewenvironment{table}[1][htbp]
5718 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
5719 {\end{@biditytfloat@float}}
5720 \renewenvironment{figure*}[1][htbp]%
5721 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
5722 {\end{@biditytfloat@float}}
5723 \renewenvironment{table*}[1][htbp]%
5724 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
5725 {\end{@biditytfloat@float}}
5726 \newenvironment{fullwidth}
5727 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
5728 {\ifthenelse{\boolean{@biditytfloat@change page}}{\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}%
5729 {\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}%
5730 }%
5731 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
5732 {\ifthenelse{\boolean{@biditytfloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}%
5733 {\end{adjustwidth}}}%
5734 }
5735 \long\def\@caption#1[#2]#3{%
5736 \par%

```




```

5737 \addcontentsline{\csname ext@#1\endcsname}{#1}%
5738 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
5739 \begingroup%
5740 \parboxrestore%
5741 \if@minipage%
5742 \setminipage%
5743 \fi%
5744 \@bituftefloat@caption@font\@bituftefloat@caption@justification%
5745 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
5746 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
5747 \endgroup}
5748 %%
5749 % Turns newlines into spaces. Based on code from the 'titlesec' package.
5750 \DeclareRobustCommand{\@bitufteheading@newlinetospace}{%
5751 \ifstar{\@bitufteheading@newlinetospace@i}{\@bitufteheading@newlinetospace@i}%
5752 }
5753 \def\@bitufteheading@newlinetospace@i{%
5754 \ifdim\lastskip>z@\else\space\fi
5755 \ignorespaces%
5756 }
5757 \DeclareRobustCommand{\newlinetospace}[1]{%
5758 \let\@bitufteheading@orig@cr\% save the original meaning of \
5759 \def\@bitufteheading@newlinetospace{% turn \ and \* into \space
5760 \let\newline\% turn \newline into \space
5761 #1%
5762 \let\@bitufteheading@orig@cr% revert to original meaning of \
5763 }
5764 \RequirePackage{fancyhdr}
5765 \pagestyle{fancy}
5766 \AtBeginDocument{%
5767 \ifthenelse{\boolean{@bituftefloat@symmetric}}
5768 {\fancyhfoffset[LE,RO]{\@bituftefloat@overhang}}
5769 {\fancyhfoffset[RE,RO]{\@bituftefloat@overhang}}
5770 }
5771 % The running heads/feet don't have rules
5772 \renewcommand{\headrulewidth}{0pt}
5773 \renewcommand{\footrulewidth}{0pt}
5774 % The 'fancy' page style is the default style for all pages.
5775 \fancyhf{} % clear header and footer fields
5776 \ifthenelse{\boolean{@bituftefloat@symmetric}}
5777 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
5778 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}%
5779 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
5780 % The 'plain' page style is used on chapter opening pages.
5781 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
5782 % bottom of pages -- the folios are unexpressed.
5783 \fancypagestyle{plain}{
5784 \fancyhf{} % clear header and footer fields
5785 % Uncomment the following five lines of code if you want the opening page
5786 % of the chapter to express the folio in the lower outside corner.
5787 % \ifthenelse{\boolean{@bituftefloat@symmetric}}
5788 % {\fancyfoot[LE,RO]{\thepage}}
5789 % {\fancyfoot[RE,RO]{\thepage}}
5790 }

```



```

5791 % The 'empty' page style suppresses all headers and footers.
5792 % It's used on title pages and 'intentionally blank' pages.
5793 \fancypagestyle{empty}{
5794   \fancyhf{} % clear header and footer fields
5795 }
5796 \def\morefloats{% provides a total of 52 floats
5797   \ifthenelse{\isundefined{\bx@S}}{%
5798     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
5799     \newinsert\bx@S
5800     \newinsert\bx@T
5801     \newinsert\bx@U
5802     \newinsert\bx@V
5803     \newinsert\bx@W
5804     \newinsert\bx@X
5805     \newinsert\bx@Y
5806     \newinsert\bx@Z
5807     \newinsert\bx@a
5808     \newinsert\bx@b
5809     \newinsert\bx@c
5810     \newinsert\bx@d
5811     \newinsert\bx@e
5812     \newinsert\bx@f
5813     \newinsert\bx@g
5814     \newinsert\bx@h
5815     \newinsert\bx@i
5816     \newinsert\bx@j
5817     \newinsert\bx@k
5818     \newinsert\bx@l
5819     \newinsert\bx@m
5820     \newinsert\bx@n
5821     \newinsert\bx@o
5822     \newinsert\bx@p
5823     \newinsert\bx@q
5824     \newinsert\bx@r
5825     \newinsert\bx@s
5826     \newinsert\bx@t
5827     \newinsert\bx@u
5828     \newinsert\bx@v
5829     \newinsert\bx@w
5830     \newinsert\bx@x
5831     \newinsert\bx@y
5832     \newinsert\bx@z
5833     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
5834       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
5835       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
5836       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
5837       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
5838       \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
5839       \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
5840       \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
5841       \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
5842       \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
5843       \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
5844       \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%

```



```

5845 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
5846 \ifthenelse{\isundefined{bx@AA}}{%
5847 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
5848 \newinsert\bx@AA
5849 \newinsert\bx@BB
5850 \newinsert\bx@CC
5851 \newinsert\bx@DD
5852 \newinsert\bx@EE
5853 \newinsert\bx@FF
5854 \newinsert\bx@GG
5855 \newinsert\bx@HH
5856 \newinsert\bx@II
5857 \newinsert\bx@JJ
5858 \newinsert\bx@KK
5859 \newinsert\bx@LL
5860 \newinsert\bx@MM
5861 \newinsert\bx@NN
5862 \newinsert\bx@OO
5863 \newinsert\bx@PP
5864 \newinsert\bx@QQ
5865 \newinsert\bx@RR
5866 \newinsert\bx@SS
5867 \newinsert\bx@TT
5868 \newinsert\bx@UU
5869 \newinsert\bx@VV
5870 \newinsert\bx@WW
5871 \newinsert\bx@XX
5872 \newinsert\bx@YY
5873 \newinsert\bx@ZZ
5874 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
5875 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
5876 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
5877 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
5878 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
5879 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
5880 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
5881 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
5882 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
5883 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
5884 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
5885 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
5886 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
5887 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
5888 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
5889 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
5890 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
5891 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
5892 }{%
5893 \bidituftefloatError{You may only call \string\morefloats\space twice. See the\Message
5894 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space on
5895 }%
5896 }%
5897 }
5898 \newboolean{@bidituftefloat@packages@subfigure}

```



```

5899 \setboolean{@biditytfloat@packages@subfigure}{false}
5900 \AtBeginDocument{%
5901   \ifpackageloaded{subfigure}
5902     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
5903     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}}%
5904 }
5905 \AtBeginDocument{%
5906   \ifpackageloaded{float}{%
5907     % Save the redefined float environment (instead of the LaTeX float environment)
5908     \let@biditytfloat@orig@float\float
5909     \let@biditytfloat@orig@endfloat\endfloat
5910
5911     % Define Tufte float styles (with the caption in the margin)
5912     \newcommand{\floatc@biditytfloatplain}[2]{%
5913       \begin{lrbox}{\@biditytfloat@caption@box}%
5914         \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
5915           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
5916         }\end{minipage}%
5917       \end{lrbox}%
5918       \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
5919     }
5920     \newcommand{\fs@biditytfloatplain}{%
5921       \def\@fs@cfont{\@biditytfloat@caption@font}%
5922       \let\@fs@capt\floatc@biditytfloatplain%
5923       \def\@fs@pre{%
5924         \def\@fs@post{%
5925           \def\@fs@mid{%
5926             \let\@fs@iftopcapt\iftrue%
5927           }
5928           \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
5929           \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
5930           \newcommand\floatc@biditytfloatruled[2]{%
5931             {\@fs@cfont #1} #2\par%
5932           }
5933           \newcommand\fs@biditytfloatruled{%
5934             \def\@fs@cfont{\@biditytfloat@caption@font}%
5935             \let\@fs@capt\floatc@biditytfloatplain%
5936             \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
5937             \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
5938             \def\@fs@mid{%
5939               \let\@fs@iftopcapt\iftrue%
5940             }
5941             \newcommand\fs@biditytfloatboxed{%
5942               \def\@fs@cfont{}%
5943               \let\@fs@capt\floatc@biditytfloatplain%
5944               \def\@fs@pre{%
5945                 \setbox\@currbox\vbox{\hbadness10000
5946                   \moveleft3.4pt\vbox{\advance\hsize by6.8pt
5947                     \hrule \hbox to\hsize{\vrule\kern3pt
5948                       \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
5949               }%
5950               \def\@fs@mid{\kern2pt}%
5951               \def\@fs@post{}%
5952               \let\@fs@iftopcapt\iftrue%

```



```

5953 }
5954 }{%
5955 % Nothing to do
5956 }
5957 }
5958 \AtBeginDocument{%
5959 \ifpackageloaded{algorithm}{%
5960 % Set the float style to the Tufte version
5961 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}}{}%
5962 \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to \ALG@floatstyle}%
5963 \floatstyle{bidituftefloat\ALG@floatstyle}%
5964 \restylefloat{algorithm}%
5965 }{}%
5966 }{%
5967 % Nothing to do
5968 }
5969 }
5970 \PassOptionsToPackage{caption=false}{subfig}

```

34 File `bidituftesidenote.sty`

```

5971 \NeedsTeXFormat{LaTeX2e}
5972 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
5973 bidi implementation of tufte sidenote]
5974 \RequirePackage{xifthen}
5975 \RequirePackage{ragged2e}
5976 \RequirePackage{setspace}
5977 \RequirePackage{biditools}
5978 \def\bidituftesidenotemarginpar{%
5979 \ifhmode
5980 \@bsphack
5981 \@floatpenalty -\@Mii
5982 \else
5983 \@floatpenalty -\@Miii
5984 \fi
5985 \ifinner
5986 \@parmoderr
5987 \@floatpenalty\z@
5988 \else
5989 \@next\@currbox\@freelist{}{}%
5990 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5991 {\@floatpenalty\z@
5992 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5993 \fi
5994 \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
5995 \long\def\@bidituftesidenotexmpar[#1]#2{%
5996 \@bidituftesidenotesavemarbox\@marbox{#1}%
5997 \@bidituftesidenotesavemarbox\@currbox{#2}%
5998 \@xympar}
5999 \long\def\@bidituftesidenoteympar#1{%
6000 \@bidituftesidenotesavemarbox\@marbox{#1}%
6001 \global\setbox\@currbox\copy\@marbox
6002 \@xympar}
6003 \long\def\@bidituftesidenotesavemarbox #1#2{%

```



```

6004 \global\setbox #1%
6005 \color@vbox
6006 \vtop{%
6007 \hsize\marginparwidth
6008 \@parboxrestore
6009 \@bidityftesidenotemarginparreset
6010 #2%
6011 \@minipagefalse
6012 \outer@nobreak
6013 }%
6014 \color@endbox
6015 }
6016 \def \@bidityftesidenotemarginparreset {%
6017 \reset@font
6018 \normalsize
6019 \@minipagetrue
6020 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
6021 }
6022 \def\LTRbidityftesidenotemarginpar{%
6023 \ifhmode
6024 \@bsphack
6025 \@floatpenalty -\@Mii
6026 \else
6027 \@floatpenalty-\@Miii
6028 \fi
6029 \ifinner
6030 \@parmoderr
6031 \@floatpenalty\z@
6032 \else
6033 \@next\@currbox\@freelist{}\{}%
6034 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
6035 {\@floatpenalty\z@
6036 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
6037 \fi
6038 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
6039 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
6040 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
6041 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
6042 \@xympar}
6043 \long\def\@LTRbidityftesidenoteympar#1{%
6044 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
6045 \global\setbox\@currbox\copy\@marbox
6046 \@xympar}
6047 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
6048 \global\setbox #1%
6049 \color@vbox
6050 \vtop{%
6051 \hsize\marginparwidth
6052 \@parboxrestore
6053 \@LTRbidityftesidenotemarginparreset
6054 #2%
6055 \@minipagefalse
6056 \outer@nobreak
6057 }%

```



```

6058 \color@endbox
6059 }
6060 \def \LTRbiditytesidenotemarginparreset {%
6061 \reset@font
6062 \normalsize
6063 \minipagetrue
6064 \everypar{\@minipagefalse\everypar{}\beginL}%
6065 }
6066 \def\RTLbiditytesidenotemarginpar{%
6067 \ifhmode
6068 \@bsphack
6069 \@floatpenalty -\@Mii
6070 \else
6071 \@floatpenalty-\@Miii
6072 \fi
6073 \ifinner
6074 \@parmoderr
6075 \@floatpenalty\z@
6076 \else
6077 \@next\@currbox\@freelist{}\{}%
6078 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
6079 {\@floatpenalty\z@
6080 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
6081 \fi
6082 \@ifnextchar [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
6083 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
6084 \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
6085 \@RTLbiditytesidenotesavemarbox\@currbox{#2}%
6086 \@xympar}
6087 \long\def\@RTLbiditytesidenoteympar#1{%
6088 \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
6089 \global\setbox\@currbox\copy\@marbox
6090 \@xympar}
6091 \long\def \@RTLbiditytesidenotesavemarbox #1#2{%
6092 \global\setbox #1%
6093 \color@vbox
6094 \vtop{%
6095 \hsize\marginparwidth
6096 \@parboxrestore
6097 \@RTLbiditytesidenotemarginparreset
6098 #2%
6099 \@minipagefalse
6100 \outer@nobreak
6101 }%
6102 \color@endbox
6103 }
6104 \def \@RTLbiditytesidenotemarginparreset {%
6105 \reset@font
6106 \normalsize
6107 \minipagetrue
6108 \everypar{\@minipagefalse\everypar{}\beginR}%
6109 }
6110 \newcommand*{\@biditytesidenote@marginfont}{\normalfont\footnotesize}
6111 \newcommand*{\@biditytesidenote@LTRmarginfont}{\normalfont\footnotesize}

```



```

6112 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
6113 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
6114 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
6115 \newcommand*{\@bidityftesidenote@RTLsidenote@font}{\@bidityftesidenote@RTLmarginfont}
6116 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
6117 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
6118 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
6119 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
6120 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
6121 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
6122 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
6123 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
6124 \newcommand*{\setRTLsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLsidenote@font}{#1}}
6125 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
6126 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
6127 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
6128 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
6129 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
6130 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
6131 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@auto}
6132 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@auto}
6133 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@auto}
6134 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
6135 \newcommand{\@bidityftesidenote@margin@par}{%
6136   \setlength{\RaggedRightParindent}{0.5pc}%
6137   \setlength{\JustifyingParindent}{0.5pc}%
6138   \setlength{\parindent}{0.5pc}%
6139   \setlength{\parskip}{0pt}%
6140 }
6141 %%
6142 % Globally sets the length
6143 \@ifundefined{gsetlength}{%
6144 \newcommand*{gsetlength}[2]{%
6145   \setlength{#1}{#2}%
6146   \global#1=#1\relax%
6147 }%
6148 }{}
6149
6150 %%
6151 % A function that removes leading and trailing spaces from the supplied macro.
6152 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
6153 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
6154 % being trimmed of leading and trailing white space.
6155 \catcode`\Q=3
6156 \def\@bidityftesidenote@trim@spaces#1{%
6157   % Use grouping to emulate a multi-token afterassignment queue
6158   \begingroup%
6159   % Put \toks 0 {' into the afterassignment queue
6160   \aftergroup\toks\aftergroup0\aftergroup{%
6161     % Apply \trimb to the replacement text of #1, adding a leading
6162     % \noexpand to prevent brace stripping and to serve another purpose
6163     % later.
6164     \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
6165   % Transfer the trimmed text back into #1.

```




```

6166 \edef#1{\the\toks0}%
6167 }
6168 % \trimb removes a trailing space if present, then calls \@bidituftesidenote@trim@c to
6169 % clean up any leftover bizarre Qs, and trim a leading space. In
6170 % order for \trimc to work properly we need to put back a Q first.
6171 \def\@bidituftesidenote@trim@b#1 Q{\@bidituftesidenote@trim@c#1Q}
6172 % Execute \vfuzz assignment to remove leading space; the \noexpand
6173 % will now prevent unwanted expansion of a macro or other expandable
6174 % token at the beginning of the trimmed text. The \endgroup will feed
6175 % in the \aftergroup tokens after the \vfuzz assignment is completed.
6176 \def\@bidituftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
6177 \catcode`\Q=11
6178 %%
6179 % Citations should go in the margin as sidenotes
6180
6181 \RequirePackage{natbib}
6182 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
6183 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
6184 \renewcommand\BR@b@bibitem[2] [] {%
6185   \ifthenelse{\isempty{#1}}{%
6186     {\BR@b@bibitem{#2}}%
6187     {\BR@b@bibitem{#1}{#2}}%
6188   \BR@c@bibitem{#2}%
6189 }
6190 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
6191 %%
6192 % Normal \cite behavior
6193 \newcounter{@bidituftesidenote@num@bibkeys}%
6194 \newcommand{\@bidituftesidenote@normal@cite}[2] [Opt] {%
6195   % Snag the last bibentry in the list for later comparison
6196   \let\@temp@last@bibkey\empty%
6197   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
6198   \sidenote[] [#1] {%
6199     % Loop through all the bibentries, separating them with semicolons and spaces
6200     \normalsize\normalfont\@bidituftesidenote@citation@font%
6201     \setcounter{@bidituftesidenote@num@bibkeys}{0}%
6202     \@for\@temp@bibkeyx:=#2\do{%
6203       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
6204         {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
6205         \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6206         \bibentry{\@temp@bibkeyx}}%
6207         {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6208         \bibentry{\@temp@bibkeyx};\ }%
6209       \stepcounter{@bidituftesidenote@num@bibkeys}%
6210     }%
6211   }%
6212 }
6213 \newcommand{\@bidituftesidenote@normal@cite}[2] [Opt] {%
6214   % Snag the last bibentry in the list for later comparison
6215   \let\@temp@last@bibkey\empty%
6216   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
6217   \LTRsidenote[] [#1] {%
6218     % Loop through all the bibentries, separating them with semicolons and spaces
6219     \normalsize\normalfont\@bidituftesidenote@LTRcitation@font%

```



```

6220 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
6221 \@for\@temp@bibkeyx:=#2\do{%
6222 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
6223 {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
6224 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6225 \bibentry{\@temp@bibkeyx}}%
6226 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6227 \bibentry{\@temp@bibkeyx};\ }%
6228 \stepcounter{@bidityftesidenote@num@bibkeys}%
6229 }%
6230 }%
6231 }
6232 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
6233 % Snag the last bibentry in the list for later comparison
6234 \let\@temp@last@bibkey\@empty%
6235 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
6236 \RTLsidenote[] [#1]{%
6237 % Loop through all the bibentries, separating them with semicolons and spaces
6238 \normalsize\normalfont\@bidityftesidenote@citation@font%
6239 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
6240 \@for\@temp@bibkeyx:=#2\do{%
6241 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
6242 {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
6243 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6244 \bibentry{\@temp@bibkeyx}}%
6245 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6246 \bibentry{\@temp@bibkeyx};\ }%
6247 \stepcounter{@bidityftesidenote@num@bibkeys}%
6248 }%
6249 }%
6250 }
6251 %%
6252 % Macros for holding the list of cite keys until after the \sidenote
6253 \gdef\@bidityftesidenote@citations{}% list of cite keys
6254 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
6255 \ifx\@bidityftesidenote@citations\@empty\else
6256 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
6257 \fi
6258 \g@addto@macro\@bidityftesidenote@citations{#1}
6259 }
6260 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
6261 % Snag the last bibentry in the list for later comparison
6262 \let\@temp@last@bibkey\@empty%
6263 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
6264 \marginpar{%
6265 \hbox{\vspace*{#1}%
6266 \@bidityftesidenote@citation@font%
6267 \@bidityftesidenote@citation@justification%
6268 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6269 \vspace*{-1\baselineskip}%
6270 % Loop through all the bibentries, separating them with semicolons and spaces
6271 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
6272 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
6273 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%

```



```

6274         {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
6275         \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6276         \bibentry{\@temp@bibkeyx}}}%
6277         {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6278         \bibentry{\@temp@bibkeyx};\ }%
6279         \stepcounter{@bidituftesidenote@num@bibkeys}%
6280     }%
6281 }%
6282 }
6283 %%
6284 % \cite behavior when executed within a sidenote
6285 \newcommand{\@bidituftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
6286 \newcommand{\@bidituftesidenote@infootnote@cite}[1]{%
6287     \@bidituftesidenote@add@citation{#1}
6288 }
6289 %%
6290 % Set the default \cite style. This is set and reset by the \sidenote command.
6291 \let\cite\@bidituftesidenote@normal@cite
6292 \let\LTRcite\@bidituftelTRSidenote@normal@cite
6293 \let\RTLcite\@biditufterTLsidenote@normal@cite
6294 %%
6295 % Transform existing \footnotes into \sidenotes
6296 % Sidenote: ``Where God meant footnotes to go.''' ---bidituftesidenote
6297 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
6298 \providecommand{\footnotelayout}{\@bidituftesidenote@sidenote@font\@bidituftesidenote@sidenote@font}%
6299 \renewcommand{\footnotelayout}{\@bidituftesidenote@sidenote@font\@bidituftesidenote@sidenote@font}%
6300 % Override footmisc's definition to set the sidenote marks (numbers) inside the
6301 % sidenote's text block.
6302 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidituftesidenote@sidenote@font}%
6303 % Set the in-text footnote mark in the same typeface as the body text itself.
6304 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote@font}%
6305 \providecommand*\multiplefootnotemarker}{3sp}
6306 \providecommand*\multfootsep}{,}%
6307 \bidi@patch@AfterPackage{bidi}{%
6308 \renewcommand{\footnotemark}{%
6309     \leavevmode%
6310     \ifhmode%
6311         \edef\@x@sf{\the\spacefactor}%
6312         \@bidituftesidenote@check@multiple@sidenotes%
6313         \nobreak%
6314     \fi%
6315     \@makefnmark%
6316     \ifhmode\spacefactor\@x@sf\fi%
6317     \relax%
6318 }%
6319 }
6320 \newcommand{\@bidituftesidenote@check@multiple@sidenotes}{%
6321     \ifdim\lastkern=\multiplefootnotemarker\relax%
6322         \edef\@x@sf{\the\spacefactor}%
6323         \unkern%
6324         \textsuperscript{\multfootsep}%
6325         \spacefactor\@x@sf\relax%
6326     \fi
6327 }

```



```

6328 \bidi@patch@AfterPackage{bidi}{%
6329 \renewcommand\@footnotetext[2][Opt]{%
6330   \bidityftesidenotemarginpar{%
6331     \hbox{}}\vspace*{#1}%
6332     \def\baselinestretch {\setspace@singlespace}%
6333     \reset@font%
6334     \bidi@@footnotetext@font% \reset@font\footnotesize%
6335     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6336     \vspace*{-1\baselineskip}\noindent%
6337     \protected@edef\@currentlabel{%
6338       \csname p@footnote\endcsname\@thefnmark%
6339     }%
6340     \color@begingroup%
6341       \makefnintext{%
6342         \ignorespaces#2%
6343       }%
6344     \color@endgroup%
6345   }%
6346 }%
6347 \renewcommand\@LTRfootnotetext[2][Opt]{%
6348   \LTRbidityftesidenotemarginpar{%
6349     \hbox{}}\vspace*{#1}%
6350     \def\baselinestretch {\setspace@singlespace}%
6351     \reset@font%
6352     \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
6353     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6354     \vspace*{-1\baselineskip}\noindent%
6355     \protected@edef\@currentlabel{%
6356       \csname p@footnote\endcsname\@thefnmark%
6357     }%
6358     \color@begingroup%
6359       \makefnintext{%
6360         \ignorespaces#2%
6361       }%
6362     \color@endgroup%
6363   }%
6364 }%
6365 \renewcommand\@RTLfootnotetext[2][Opt]{%
6366   \RTLbidityftesidenotemarginpar{%
6367     \hbox{}}\vspace*{#1}%
6368     \def\baselinestretch {\setspace@singlespace}%
6369     \reset@font%
6370     \bidi@@RTLfootnotetext@font% \reset@font\footnotesize%
6371     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6372     \vspace*{-1\baselineskip}\noindent%
6373     \protected@edef\@currentlabel{%
6374       \csname p@footnote\endcsname\@thefnmark%
6375     }%
6376     \color@begingroup%
6377       \makefnintext{%
6378         \ignorespaces#2%
6379       }%
6380     \color@endgroup%
6381   }%

```



```

6382 }%
6383 }
6384 %
6385 % Define \sidenote command. Can handle \cite.
6386 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
6387 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
6388 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
6389 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
6390   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
6391   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
6392   \ifthenelse{\NOT\isempty{#2}}{%
6393     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
6394   }{%
6395     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
6396   }%
6397   \ifthenelse{\isempty{#1}}{%
6398     % no specific footnote number provided
6399     \stepcounter\@mpfn%
6400     \protected@xdef\@thefnmark{\thempfn}%
6401     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6402   }{%
6403     % specific footnote number provided
6404     \begingroup%
6405       \csname c@\@mpfn\endcsname #1\relax%
6406       \unrestored@protected@xdef\@thefnmark{\thempfn}%
6407     \endgroup%
6408     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6409   }%
6410   \@bidityftesidenote@print@citations%             print any citations
6411   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite comm
6412   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTR
6413   \let\RTLCite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTL
6414   \unskip\ignorespaces%                            remove extra white space
6415   \kern-\multiplefootnotemarker%                   remove \kern left behind by sidenote
6416   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
6417 }
6418 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
6419   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
6420   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
6421   \ifthenelse{\NOT\isempty{#2}}{%
6422     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
6423   }{%
6424     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
6425   }%
6426   \ifthenelse{\isempty{#1}}{%
6427     % no specific footnote number provided
6428     \stepcounter\@mpfn%
6429     \protected@xdef\@thefnmark{\thempfn}%
6430     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6431   }{%
6432     % specific footnote number provided
6433     \begingroup%
6434       \csname c@\@mpfn\endcsname #1\relax%
6435       \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

6436 \endgroup%
6437 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6438 }%
6439 \@bidityftesidenote@print@citations%          print any citations
6440 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
6441 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6442 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
6443 \unskip\ignorespaces%                          remove extra white space
6444 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
6445 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
6446 }
6447 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
6448 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6449 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
6450 \ifthenelse{\NOT\isempty{#2}}{%
6451 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
6452 }{%
6453 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
6454 }%
6455 \ifthenelse{\isempty{#1}}{%
6456 % no specific footnote number provided
6457 \stepcounter\@mpfn%
6458 \protected@xdef\@thefnmark{\thempfn}%
6459 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6460 }{%
6461 % specific footnote number provided
6462 \begingroup%
6463 \csname c@\@mpfn\endcsname #1\relax%
6464 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6465 \endgroup%
6466 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6467 }%
6468 \@bidityftesidenote@print@citations%          print any citations
6469 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
6470 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6471 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
6472 \unskip\ignorespaces%                          remove extra white space
6473 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
6474 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
6475 }
6476 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [0pt]}}
6477 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [0pt]}}
6478 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [0pt]}}
6479 \bidi@patch@AfterPackage{bidi}{%
6480 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [0pt]}}%
6481 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [0pt]}}%
6482 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [0pt]}}%
6483 }
6484 %%
6485 % Sidenote without the footnote mark
6486 \newcommand\marginnote[2][0pt]{%
6487 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6488 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
6489 \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidity

```



```

6490 \@bidityftesidenote@print@citations%          print any citations
6491 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
6492 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6493 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
6494 }
6495 \newcommand\LTRmarginnote[2][0pt]{%
6496 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6497 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
6498 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@
6499 \@bidityftesidenote@print@citations%          print any citations
6500 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
6501 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6502 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
6503 }
6504 \newcommand\RTLmarginnote[2][0pt]{%
6505 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6506 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
6507 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@
6508 \@bidityftesidenote@print@citations%          print any citations
6509 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
6510 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6511 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
6512 }

```

35 File bidityftetoc.sty

```

6513 \NeedsTeXFormat{LaTeX2e}
6514 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
6515 bidi implementation of tufte toc]
6516 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
6517 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
6518 \newcommand{\@bidityftetoc@error}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
6519 %%
6520 % Turn off section numbering
6521 \setcounter{secnumdepth}{-1}
6522 \newboolean{@bidityftetoc@toc}
6523 \setboolean{@bidityftetoc@toc}{true}
6524 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
6525 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
6526 \ProcessOptions
6527 %%
6528 % Make Tufte-style section headings and TOC formatting
6529 \bidi@patch@AfterPackage{bidi}{%
6530 \titleformat{\chapter}%
6531 [display]% shape
6532 {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format
6533 {\itshape\huge\thechapter}% label
6534 {0pt}% horizontal separation between label and title body
6535 {\huge\rmfamily\itshape}% before the title body
6536 [\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title
6537 \titleformat{\section}%
6538 [hang]% shape
6539 {\normalfont\Large\itshape}% format applied to label+text
6540 {\thesection}% label

```




```

6541 {1em}% horizontal separation between label and title body
6542 {}% before the title body
6543 []% after the title body
6544 \titleformat{\subsection}%
6545 [hang]% shape
6546 {\normalfont\large\itshape}% format applied to label+text
6547 {\thesubsection}% label
6548 {1em}% horizontal separation between label and title body
6549 {}% before the title body
6550 []% after the title body
6551 \titleformat{\paragraph}%
6552 [runin]% shape
6553 {\normalfont\itshape}% format applied to label+text
6554 {\theparagraph}% label
6555 {1em}% horizontal separation between label and title body
6556 {}% before the title body
6557 []% after the title body
6558 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
6559 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
6560 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
6561 }
6562 % Subsubsection and following section headings shouldn't be used.
6563 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
6564 \renewcommand\subsubsection{%
6565   \bidituftetocError{\noexpand\subsubsection is undefined by this class.%
6566     \MessageBreak See Robert Bringhurst's _The Elements of
6567     \MessageBreak Typographic Style_, section 4.2.2.
6568     \MessageBreak \noexpand\subsubsection was used}
6569   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
6570     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
6571     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
6572 }
6573 \renewcommand\subparagraph{%
6574   \bidituftetocError{\noexpand\subparagraph is undefined by this class.%
6575     \MessageBreak See Robert Bringhurst's _The Elements of
6576     \MessageBreak Typographic Style_, section 4.2.2.
6577     \MessageBreak \noexpand\subparagraph was used}
6578   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
6579     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
6580     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
6581 }
6582 % Formatting for main TOC (printed in front matter)
6583 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
6584 \ifthenelse{\boolean{@biditytetoc@toc}}{%
6585   \bidi@patch@AfterPackage{bidi}{%
6586     \titlecontents{part}% FIXME
6587     [0em] % distance from left margin
6588     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
6589     {\contentslabel{2em}} % before w/label (label = ``II'')
6590     {} % before w/o label
6591     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
6592     [\end{fullwidth}] % after
6593     \titlecontents{chapter}%
6594     [0em] % distance from left margin

```




```

6595     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
6596     {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
6597     {\hspace*{0em}} % before w/o label
6598     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
6599     [\end{fullwidth}] % after
6600 \titlecontents{section}% FIXME
6601     [0em] % distance from left margin
6602     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
6603     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
6604     {\hspace*{2em}} % before w/o label
6605     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
6606     [\end{fullwidth}] % after
6607 \titlecontents{subsection}% FIXME
6608     [0em] % distance from left margin
6609     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
6610     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
6611     {\hspace*{4em}} % before w/o label
6612     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
6613     [\end{fullwidth}] % after
6614 \titlecontents{paragraph}% FIXME
6615     [0em] % distance from left margin
6616     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
6617     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
6618     {\hspace*{6em}} % before w/o label
6619     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
6620     [\end{fullwidth}] % after
6621 }%
6622 {}
6623 %%
6624 % Format lists of figures/tables
6625 \renewcommand\listoffigures{%
6626   \ifundefined{chapter}%
6627     {\section*{\listfigurename}}%
6628     {\chapter*{\listfigurename}}%
6629 % \begin{fullwidth}%
6630 % \starttoc{lof}%
6631 % \end{fullwidth}%
6632 }
6633 \renewcommand\listoftables{%
6634   \ifundefined{chapter}%
6635     {\section*{\listtablename}}%
6636     {\chapter*{\listtablename}}%
6637 % \begin{fullwidth}%
6638 % \starttoc{lot}%
6639 % \end{fullwidth}%
6640 }
6641 \newcommand{\@bidityfttoc@lof@line}[2]{%
6642   % #1 is the figure/table number and its caption text
6643   % #2 is the page number on which the figure/table appears
6644   \leftskip 0.0em
6645   \rightskip 0em
6646   \parfillskip 0em plus 1fil
6647   \parindent 0.0em
6648   \@afterindenttrue

```



```

6649 \interlinepenalty\@M
6650 \leavevmode
6651 \@tempdima 2.0em
6652 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6653 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
6654 {#1}\nobreak\quad\nobreak#2%
6655 \par%
6656 }
6657 \renewcommand*\l@figure{\@bittuftetoc@lof@line}
6658 \let\l@table\l@figure

```

36 File bittuftegeneralstructure.sty

```

6659 \NeedsTeXFormat{LaTeX2e}
6660 \ProvidesPackage{bittuftegeneralstructure}[2011/06/18 v0.1
6661 bidi implementation of tufte general structure]
6662 \renewcommand\small{%
6663   \@setfontsize\small\@ixpt{12}%
6664   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
6665   \abovedisplayshortskip \z@ \@plus2\p@
6666   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
6667   \def\@listi{\leftmargin\leftmargini
6668     \topsep 4\p@ \@plus2\p@ \@minus2\p@
6669     \parsep 2\p@ \@plus\p@ \@minus\p@
6670     \itemsep \parsep}%
6671   \belowdisplayskip \abovedisplayskip
6672 }
6673 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
6674 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
6675 \renewcommand\large{\@setfontsize\large\@xipt{15}}
6676 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
6677 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
6678 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
6679 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
6680 \setlength\leftmargini {1pc}
6681 \setlength\leftmarginii {1pc}
6682 \setlength\leftmarginiii {1pc}
6683 \setlength\leftmarginiv {1pc}
6684 \setlength\leftmarginv {1pc}
6685 \setlength\leftmarginvi {1pc}
6686 \setlength\labelsep {0.5pc}
6687 \setlength\labelwidth {\leftmargini}
6688 \addtolength\labelwidth{-\labelsep}
6689 \setlength{\parindent}{1.0pc}%
6690 \setlength{\parskip}{0pt}%
6691 \RequirePackage{ragged2e}
6692 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
6693 % Paragraph indentation and separation for normal text
6694 \newcommand{\@bittuftegeneralstructure@reset@par}{%
6695   \setlength{\RaggedRightParindent}{1.0pc}%
6696   \setlength{\JustifyingParindent}{1.0pc}%
6697   \setlength{\parindent}{1pc}%
6698   \setlength{\parskip}{0pt}%
6699 }

```



```

6700 \@biditytgeneralstructure@reset@par
6701 % Require paralist package for tighter lists
6702 \RequirePackage{paralist}
6703 % Add rightmargin to compactenum
6704 \def\@compactenum{%
6705   \expandafter\list\csname label\@enumctr\endcsname{%
6706     \usecounter{\@enumctr}%
6707     \rightmargin=2em% added this
6708     \parsep\plparsep
6709     \itemsep\plitemsep
6710     \topsep\pltopsep
6711     \partopsep\plpartopsep
6712     \def\makelabel##1{\hss\llap{##1}}}%
6713 %%
6714 % An environment for paragraph-style section
6715 \providecommand\newthought[1]{%
6716   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
6717   \noindent\textbf{#1}%
6718 }
6719 %%
6720 % Redefine the display environments (quote, quotation, etc.)
6721 \renewenvironment{verse}
6722   {\let\\\@centercr
6723    \list{}\{\itemsep \z@
6724             \itemindent -1pc%
6725             \listparindent\itemindent
6726             \rightmargin \leftmargin
6727             \advance\leftmargin 1pc}%
6728    \small%
6729    \item\relax}
6730   {\endlist}
6731 \renewenvironment{quotation}
6732   {\list{}\{\listparindent 1pc%
6733             \itemindent \listparindent
6734             \rightmargin \leftmargin
6735             \parsep \z@ \@plus\p@}%
6736    \small%
6737    \item\relax\noindent\ignorespaces}
6738   {\endlist}
6739 \renewenvironment{quote}
6740   {\list{}\{\rightmargin\leftmargin}%
6741    \small%
6742    \item\relax}
6743   {\endlist}
6744 % Italicize description run-in headings (instead of the default bold)
6745 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
6746 %%
6747 % Redefine \bibsection to not mark the running heads.
6748 % (Code modified from natbib.sty.)
6749 \@ifundefined{chapter}%
6750   {\renewcommand\bibsection{\section*{\refname}}}
6751   {\@ifundefined{NAT@sectionbib}%
6752     {\renewcommand\bibsection{\chapter{\bibname}}}
6753     {\renewcommand\bibsection{\section*{\bibname}}}}

```



```

6754 \RequirePackage{multicol}
6755 \renewenvironment{theindex}{%
6756 \@ifundefined{chapter}%
6757     {\section*{\indexname}}%
6758     {\chapter{\indexname}}%
6759 \begin{fullwidth}%
6760 \small%
6761 \parskip0pt%
6762 \parindent0pt%
6763 \let\item\@idxitem%
6764 \begin{multicols}{3}%
6765 }{%
6766 \end{multicols}%
6767 \end{fullwidth}%
6768 }
6769 \AtBeginDocument{%
6770 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
6771 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
6772 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
6773 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
6774 \newcommand{\lettergroup}[1]{% swallow the letter heading in the index

```

37 File `bidituftehyperref.sty`

```

6775 \NeedsTeXFormat{LaTeX2e}
6776 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
6777 bidi implementation of tufte hyperref]
6778 %%
6779 % Color
6780 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
6781 \newboolean{@bidituftehyperref@loadhyper}
6782 \setboolean{@bidituftehyperref@loadhyper}{true}
6783 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
6784 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
6785 \ProcessOptions
6786 %% Loads the hyperref package and sets some default options.
6787 \newcommand{\bidituftehyperrefLoadHyperref}{%
6788 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
6789 \hypersetup{%
6790     bookmarksdepth = section,
6791     citecolor = DarkGreen,
6792     linkcolor = DarkBlue,
6793 %     pagecolor = DarkBlue,
6794     urlcolor = DarkGreen,
6795 }%
6796 }
6797 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
6798 \bidituftehyperrefLoadHyperref%
6799 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
6800 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
6801 }

```

38 File `bidituftetitle.sty`



```

6802 \NeedsTeXFormat{LaTeX2e}
6803 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
6804 bidi implementation of tufte title]
6805 \RequirePackage{biditools}
6806 %%
6807 % 'titlepage' option -- creates a full title page with \maketitle
6808 \newboolean{@bidituftetitle@titlepage}
6809 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
6810 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
6811 % Default 'book' and 'handout' options
6812 \@ifclassloaded{book}{%
6813 \ExecuteOptions{titlepage}}{%
6814 \@ifclassloaded{article}{%
6815 \ExecuteOptions{notitlepage}}%
6816 {}}
6817 \ProcessOptions
6818 %%
6819 % Modified \title, \author, and \date commands. These store the
6820 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
6821 \newcommand{\plaintitle}{}% plain-text-only title
6822 \newcommand{\plainauthor}{}% plain-text-only author
6823 \newcommand{\plainpublisher}{}% plain-text-only publisher
6824 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
6825 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
6826 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
6827 \newcommand{\@publisher}{}% full publisher with \thanks{}
6828 \newcommand{\thedata}{\today}
6829 \bidi@patch@AfterPackage{bidi}{%
6830 \renewcommand{\thanks}[1]{\footnote{#1}}
6831 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
6832 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
6833 }
6834 \renewcommand{\title}[2][{}]{%
6835 \gdef\@title{#2}%
6836 \begingroup%
6837 % TODO store contents of \thanks command
6838 \renewcommand{\thanks}[1]{}% swallow \thanks contents
6839 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6840 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6841 \protected@xdef\thanklesstitle{#2}%
6842 \endgroup%
6843 \ifthenelse{\isempty{#1}}{%
6844 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
6845 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
6846 \@ifundefined{hypersetup}%
6847 {}% hyperref is not loaded; do nothing
6848 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
6849 }
6850 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
6851 \renewcommand{\author}[2][{}]{%
6852 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
6853 \begingroup%
6854 % TODO store contents of \thanks command
6855 \renewcommand{\thanks}[1]{}% swallow \thanks contents

```



```

6856 \renewcommand{\LTRthanks}[1]{% swallow \LTRthanks contents
6857 \renewcommand{\RTLthanks}[1]{% swallow \RTLthanks contents
6858 \protected@xdef\thanklessauthor{#2}%
6859 \endgroup%
6860 \ifthenelse{\isempty{#1}}%
6861 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
6862 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
6863 \@ifundefined{hypersetup}%
6864 {}% hyperref is not loaded; do nothing
6865 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
6866 }
6867 \renewcommand{\date}[1]{%
6868 \gdef\@date{#1}%
6869 \begingroup%
6870 % TODO store contents of \thanks command
6871 \renewcommand{\thanks}[1]{% swallow \thanks contents
6872 \renewcommand{\LTRthanks}[1]{% swallow \LTRthanks contents
6873 \renewcommand{\RTLthanks}[1]{% swallow \RTLthanks contents
6874 \protected@xdef\thedata{#1}%
6875 \endgroup%
6876 }
6877 %%
6878 % Provides a \publisher command to set the publisher
6879 \newcommand{\publisher}[2][]{%
6880 \gdef\@publisher{#2}%
6881 \begingroup%
6882 \renewcommand{\thanks}[1]{% swallow \thanks contents
6883 \renewcommand{\LTRthanks}[1]{% swallow \LTRthanks contents
6884 \renewcommand{\RTLthanks}[1]{% swallow \RTLthanks contents
6885 \protected@xdef\thanklesspublisher{#2}%
6886 \endgroup%
6887 \ifthenelse{\isempty{#1}}
6888 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
6889 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
6890 }
6891 %%
6892 % Produces a full title page
6893 \newcommand{\maketitlepage}[0]{%
6894 \cleardoublepage%
6895 {%
6896 \bfseries%
6897 \begin{fullwidth}%
6898 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
6899 \vspace{11.5pc}%
6900 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
6901 \vfill%
6902 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
6903 \end{fullwidth}%
6904 }
6905 \thispagestyle{empty}%
6906 \clearpage%
6907 }
6908 %%
6909 % Title block

```



```

6910 \bidi@AfterEndPreamble{%
6911 \renewcommand{\maketitle}{%
6912   \newpage%
6913   \global\@topnum\z@% prevent floats from being placed at the top of the page
6914   \begingroup%
6915     \setlength{\parindent}{0pt}%
6916     \setlength{\parskip}{4pt}%
6917     \let\@title\@empty%
6918     \let\@author\@empty%
6919     \let\@date\@empty%
6920     \gdef\@title{\LARGE\itshape\@title\par}%
6921     \gdef\@author{\Large\itshape\@author\par}%
6922     \gdef\@date{\Large\itshape\@date\par}%
6923     \@title%
6924     \@author%
6925     \@date%
6926   \endgroup%
6927   \thispagestyle{plain}% suppress the running head
6928 }%
6929 }
6930 %%
6931 % Title page (if the `titlepage' option was passed to the bidentufte-handout
6932 % class.)
6933 \bidi@AfterEndPreamble{%
6934 \ifthenelse{\boolean{@bidentuftehandout@titlepage}}
6935   {\renewcommand{\maketitle}{\maketitlepage}}
6936   {}
6937 }
6938 %%
6939 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
6940 % without headers and footers
6941 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
6942   \hbox{}
6943   %\vspace*{\fill}
6944   %\begin{center}
6945   % This page intentionally contains only this sentence.
6946   %\end{center}
6947   %\vspace{\fill}
6948   \thispagestyle{empty}
6949   \newpage
6950   \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

39 File bidentufte-handout.cls

```

6951 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
6952 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
6953 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
6954 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
6955 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
6956 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
6957 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
6958 \ProcessOptions\relax
6959 \LoadClass{article}
6960 \RequirePackage{bidentuftefloat}

```



```

6961 \RequirePackage{bidiufte-sidenote}
6962 \RequirePackage{bidiufte-toc}
6963 \RequirePackage{bidiufte-generalstructure}
6964 \RequirePackage{bidiufte-hyperref}
6965 \RequirePackage{bidiufte-title}
6966 \renewenvironment{abstract}
6967   {\begin{quotation}}
6968   {\end{quotation}}
6969 \AtBeginDocument{%
6970 \IfFileExists{bidiufte-handout.cfg}
6971   {\input{bidiufte-handout.cfg}
6972     \ClassInfo{bidiufte-handout}{Loading bidiufte-handout configuration file \@gobble}}
6973   {}%
6974 }

```

40 File bidiufte-book.cls

```

6975 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
6976 \ProvidesClass{bidiufte-book}[2011/06/18 v0.1 bidiufte-book class]
6977 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
6978 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftefloat}}
6979 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiufte-toc}}
6980 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiufte-hyperref}}
6981 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiufte-title}}
6982 \ProcessOptions\relax
6983 \LoadClass{book}
6984 \RequirePackage{bidiuftefloat}
6985 \RequirePackage{bidiufte-sidenote}
6986 \RequirePackage{bidiufte-toc}
6987 \RequirePackage{bidiufte-generalstructure}
6988 \RequirePackage{bidiufte-hyperref}
6989 \RequirePackage{bidiufte-title}
6990 %%
6991 % Set up any book-specific stuff now
6992 %%
6993 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
6994 % to the opening page of Chapter 1. The running heads, when they appear,
6995 % contain only the (arabic) page number in the outside corner.
6996 %\newif\if@mainmatter \@mainmattertrue
6997 \renewcommand\frontmatter{%
6998   \cleardoublepage%
6999   \@mainmatterfalse%
7000   \pagenumbering{arabic}%
7001   %\pagestyle{plain}%
7002   \fancyhf{}%
7003   \ifthenelse{\boolean{@bidiuftefloat@twoside}}{%
7004     {\fancyhead[LE,RO]{\thepage}}%
7005     {\fancyhead[RE,RO]{\thepage}}%
7006   }
7007   %%
7008 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
7009 % numbering---it continues where it left off in the front matter.
7010 \renewcommand\mainmatter{%
7011   \cleardoublepage%

```




```

7012 \@mainmattertrue%
7013 \fancyhf{}%
7014 \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
7015     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
7016     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
7017     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
7018     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
7019 }
7020 %%
7021 % The back matter contains appendices, indices, glossaries, endnotes,
7022 % bibliographies, list of contributors, illustration credits, etc.
7023 \renewcommand\backmatter{%
7024     \if@openright%
7025         \cleardoublepage%
7026     \else%
7027         \clearpage%
7028     \fi%
7029 \@mainmatterfalse%
7030 }
7031 %%
7032 % Only show the chapter titles in the table of contents
7033 \setcounter{tocdepth}{0}
7034 \AtBeginDocument{%
7035     \IfFileExists{biditytufte-book.cfg}
7036     {\input{biditytufte-book.cfg}
7037      \ClassInfo{biditytufte-book}{Loading biditytufte-book configuration file \@gobble}}
7038     {}%
7039 }

```

41 File bidipoem.sty

```

7040 \NeedsTeXFormat{LaTeX2e}
7041 \ProvidesPackage{bidipoem}%
7042 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
7043
7044 % Usage:
7045 %
7046 % \Setversedim #1#2 % define the layout (within a group):
7047 % #1 = length of both half-verses
7048 % #2 = separation distance = length of a connection, if present
7049 % Variant:
7050 % \Setversedim #1[#2]#3 % for half-verses of unequal length
7051 % #1 = length of first (=right) half-verse
7052 % #2 = length of second (=left) half-verse
7053 % #3 = separation distance = length of a connection, if present
7054 %
7055 % \traditionalhalfverses #1#2 % typeset two separated half-verses
7056 % #1 = text of first (=right) half-verse
7057 % #2 = text of second (=left) half-verse
7058 % Variant:
7059 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
7060 % #1 = text of first (=right) half-verse
7061 % #2 = text of connection
7062 % #3 = text of second (=left) half-verse

```



```

7063 %
7064 % Alternative (if preferred):
7065 %
7066 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
7067
7068
7069 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1[#2]}
7070
7071 % define the layout, verses will be centered
7072
7073 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
7074 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
7075
7076 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
7077 \bidipoem@hvind \textwidth
7078 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
7079 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
7080 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
7081
7082 \def \bidipoem@set@verseI [#1]{% optional parameter
7083 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
7084
7085 \newcommand*{\bidipoem@set@@verse}[1]{% separation
7086 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
7087 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
7088
7089 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
7090 \ifdim Opt > \bidipoem@hvind %
7091 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
7092 \else
7093 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
7094 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
7095 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
7096 \par }
7097
7098 % macro for two half verses
7099 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
7100 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}}}%
7101 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
7102 \bidipoem@half@verses@next}
7103
7104 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
7105 \traditionalconnverses {#1}{#2}{#3}}
7106
7107
7108 {\catcode\^^M=\active % these lines must end with %
7109 \gdef \traditionalpoem@obeylines {\catcode\^^M=\active \let ^^M \traditionalpoem@par}%
7110 \global \let ^^M \traditionalpoem@par % this is in case ^^M appears in a \write
7111 {\catcode\^^M=\active % these lines must end with %
7112 \gdef \modernpoem@obeylines {\catcode\^^M=\active \let ^^M \modernpoem@par}%
7113 \global \let ^^M \modernpoem@par % this is in case ^^M appears in a \write
7114 \def \poemcolsepskip {.1\versewidth plus .1\versewidth minus .05\versewidth}
7115 \def \poemmarginskip {1em plus 1fil minus 1em}
7116 \def \poemextrabaselineskip {0\baselineskip}

```



```

7117 \def\poemskip{\medskip}
7118 \newcommand{\bidipoem@openbox}{\leavevmode
7119   \hbox to.77778em{%
7120     \hfil\vrule
7121     \vbox to.675em{\hrule width.6em\vfil\hrule}%
7122     \vrule\hfil}}
7123 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
7124 \newdimen\versewidth
7125 \newtoks\bidipoem@p@ftn
7126 \def\poem@verse#1{%
7127   \ifdim\wd#1>\new@poem@width
7128   \xdef\new@poem@width{\the\wd#1}%
7129   \ifdim\new@poem@width>\poem@width
7130   \xdef\poem@width{\new@poem@width}%
7131   \global\let\poem@needrun\relax
7132   \fi
7133   \fi
7134   \hbox to\poem@width{\unhbox#1}%
7135   \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
7136 }
7137 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmargin\relax}
7138 \def\poem@lineend{\nobreak\hskip\poemmargin\hskip\@flushglue\vadjust{}}
7139 \def\poem@lineversesep{%
7140   \nobreak
7141   \hskip\z@ plus 1filll%
7142   \penalty600%
7143   \hskip\poemcolsepskip
7144   \hskip\z@ plus -2filll%
7145   \vadjust{}}%
7146   \nobreak
7147   \hskip\z@ plus 1filll%
7148 }
7149 \def\poem@lineparsebegin{%
7150   \halign\bgroup
7151   \global\setbox\verse@i=\hbox{%
7152     \let\@footnotetext\bidipoem@p@ftntext%
7153     \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7154     \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7155     \let\@xfootnotenext\bidipoem@p@xftntext%
7156     \let\@xfootnote\bidipoem@p@xfootnote%
7157     \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7158     \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7159     \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7160     \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7161     \ignorespaces##\unskip}&&
7162   \global\setbox\verse@ii=\hbox{%
7163     \let\@footnotetext\bidipoem@p@ftntext%
7164     \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7165     \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7166     \let\@xfootnotenext\bidipoem@p@xftntext%
7167     \let\@xfootnote\bidipoem@p@xfootnote%
7168     \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7169     \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7170     \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%

```



```

7171 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7172 \ignorespaces##\unskip}
7173 \cr
7174 }
7175 \def\poem@lineparseend{%
7176 \crr\egroup
7177 \vskip-\baselineskip
7178 }
7179 \def\traditionalpoem@cr{%
7180 \cr\poem@line
7181 }
7182 \newbox\verse@i
7183 \newbox\verse@ii
7184 \newif\ifpoem@started
7185
7186 \def\poem@line{%
7187 \poem@lineparseend
7188 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
7189 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
7190 \ifpoem@started
7191 \ifdim\wd\verse@ii>\z@\else
7192 \nopagebreak[3]
7193 \fi
7194 \leavevmode
7195 \poem@linebegin
7196 \poem@verse\verse@i
7197 \ifdim\wd\verse@ii>\z@
7198 \poem@lineversesep
7199 \poem@verse\verse@ii
7200 \fi
7201 \poem@lineend
7202 % \nopagebreak
7203 \par
7204 \vskip\poemextrabaselineskip
7205 \fi
7206 \poem@lineparsebegin
7207 }
7208 \def\@traditionalpoem{%
7209 \stepcounter{poem@no}
7210 \ifnum\max@poem@no<\number\c@poem@no%
7211 \xdef\poem@width{\z@}%
7212 \else
7213 \xdef\poem@width{\poem@prop{poem@width}}%
7214 \fi
7215 \xdef\new@poem@width{\z@}%
7216 \global\versewidth=\poem@width
7217 \poemskip\par
7218 \begingroup
7219 \tabskip=\z@
7220 \parskip=\z@
7221 \parindent=\z@
7222 \parfillskip=\z@
7223 \rightskip=\z@
7224 \leftskip=\z@

```



```

7225 \widowpenalty=10000% No break between verses of the same line.
7226 \clubpenalty=10000% Same as above. Not really needed.
7227 \def\newblock{\hfil\poemblocksep\hfil\null}%
7228 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
7229 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
7230 \global\poem@startedfalse
7231 \csname poem@obeylines\endcsname
7232 \let\poem@obeylines\relax
7233 \poem@lineparsebegin
7234 }
7235 \def\endtraditionalpoem{%
7236 \cr
7237 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
7238 \noalign{%
7239 \skip0=\poemextrabaselineskip
7240 \vskip-\skip0
7241 \vskip-\baselineskip
7242 }%
7243 \fi\fi
7244 \poem@lineparseend
7245 \endgroup
7246 \par
7247 \vskip\baselineskip
7248 \poemskip
7249 \ifdim\new@poem@width<\poem@width
7250 \global\let\poem@needrun\relax
7251 \fi
7252 \poem@write@aux{\poem@width\romannumeral\c@poem@no}\new@poem@width}%
7253 \ifx\AtEndDocument\undefined\poem@finish\fi
7254 \@endparenv
7255 }
7256
7257
7258 \long\def\bidipoem@p@ftntext#1{%
7259 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
7260 \global\bidipoem@p@ftn\expandafter{\@temp{x#1}}}%
7261 \long\def\bidipoem@p@LTRftntext#1{%
7262 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
7263 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
7264 \long\def\bidipoem@p@RTLftntext#1{%
7265 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
7266 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
7267
7268 \long\def\bidipoem@p@xftntext[#1]#2{%
7269 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
7270
7271 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
7272 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
7273
7274 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
7275 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
7276
7277 \def\bidipoem@p@xfootnote[#1]{%
7278 \begingroup

```



```

7279 \csname c@\mpfn\endcsname #1\relax
7280 \unrestored@protected@xdef\@thefnmark{\thempfn}%
7281 \endgroup
7282 \@footnotemark\bidipoem@p@xftntext[#1]}
7283
7284 \def\bidipoem@p@xLTRfootnote[#1]{%
7285 \begingroup
7286 \csname c@\mpfn\endcsname #1\relax
7287 \unrestored@protected@xdef\@thefnmark{\thempfn}%
7288 \endgroup
7289 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
7290
7291 \def\bidipoem@p@xRTLfootnote[#1]{%
7292 \begingroup
7293 \csname c@\mpfn\endcsname #1\relax
7294 \unrestored@protected@xdef\@thefnmark{\thempfn}%
7295 \endgroup
7296 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
7297
7298
7299
7300 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
7301 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
7302 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
7303 \def\poem@finish{%
7304 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
7305 \ifx\poem@needrun\relax
7306 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
7307 \global\let\poem@needrun\undefined
7308 \fi
7309 }
7310 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
7311 \newcounter{poem@no}\setcounter{poem@no}{\z@}
7312 \ifx\max@poem@no\undefined
7313 \def\max@poem@no{0}%
7314 \fi
7315 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral\c@poem@no}}
7316 \newcommand{\poem@write@aux}[2]{%
7317 \def\x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
7318 \x
7319 }
7320 \def\@modernpoem{%
7321 \par
7322 \begingroup
7323 \parskip=\z@
7324 \parindent=\z@
7325 \def\[{ \@settab\@tabplus\ignorespaces}%
7326 \def\]{ \@tabminus\ignorespaces}%
7327 \def\newblock{\poemblocksep}%
7328 \let\newpoem@tabcr\@tabcr
7329 \def\modernpoem@par{% Redefine \par for possible \obeylines
7330 \ifpoem@started\else
7331 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
7332 \@stopfield

```



```

7333 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
7334 \@contfield
7335 \fi
7336 \fi
7337 \ifpoem@started\newpoem@tabcr\fi}%
7338 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
7339 \global\poem@startedfalse
7340 \csname poem@obeylines\endcsname
7341 \let\poem@obeylines\relax
7342 \begin{tabbing}%
7343 }
7344 \def\@endmodernpoem{%
7345 \global\poem@startedfalse
7346 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
7347 \@stopfield
7348 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
7349 \@contfield
7350 \fi
7351 \ifpoem@started\else\let\@stopline\@stopfield\fi
7352 \end{tabbing}%
7353 \endgroup
7354 \par
7355 \if@nolist \else
7356 \ifdim\lastskip >\z@
7357 \@tempkipa\lastskip \vskip -\lastskip
7358 \advance\@tempkipa\parskip \advance\@tempkipa -\@outerparskip
7359 \vskip\@tempkipa
7360 \fi
7361 \endparenv
7362 \fi
7363 }
7364 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
7365 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
7366 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
7367 \gdef\@startfield{%
7368 \global\setbox\@curfield\hbox\bgroup%
7369 \let\@footnotetext\bidipoem@p@ftntext%
7370 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7371 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7372 \let\@xfootnotenext\bidipoem@p@xftntext%
7373 \let\@xfootnote\bidipoem@p@xfootnote%
7374 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7375 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7376 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7377 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7378 \color@begingroup}
7379 \gdef\@stopfield{%
7380 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
7381 \gdef\@contfield{%
7382 \global\setbox\@curfield\hbox\bgroup%
7383 \let\@footnotetext\bidipoem@p@ftntext%
7384 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7385 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7386 \let\@xfootnotenext\bidipoem@p@xftntext%

```



```

7387 \let\@xfootnote\bidipoem@p@xfootnote%
7388 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7389 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7390 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7391 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7392 \color@begingroup\unhbox\@curfield}

```

42 File boek3-xetex-bidi.def

```

7393 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeT
7394 \renewenvironment{theindex}{%
7395   \if@twocolumn
7396     \@restonecolfalse
7397   \else
7398     \@restonecoltrue
7399   \fi
7400   \columnseprule \z@
7401   \columnsep 35\p@
7402   \twocolumn[\@makeschapterhead{\indexname}]%
7403   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
7404   \thispagestyle{plain}\parindent\z@
7405   \parskip\z@ \@plus .3\p@\relax
7406   \let\item\@idxitem
7407 }{%
7408   \if@restonecol\onecolumn\else\clearpage\fi}
7409 \renewcommand*\head@style{%
7410   \interlinepenalty \@M
7411   \hyphenpenalty=\@M \exhyphenpenalty=\@M
7412   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
7413 \renewcommand*\@regtocline[3]{%
7414   \ifnum #1>\c@tocdepth
7415   \else
7416     \vskip\z@ \@plus .2\p@
7417     {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
7418     \if@RTL\rightskip\else\leftskip\fi\unitindent
7419     \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
7420     \parfillskip\z@
7421     \@tempdima\unitindent
7422     \parindent\z@
7423     \leavevmode
7424     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
7425     \hskip 1em \nobreak{\slshape #3}\par
7426     }%
7427   \fi}
7428 \if@oldtoc
7429 \renewcommand*\l@part[2]{%
7430   \ifnum \c@tocdepth >-2\relax
7431     \addpenalty{-\@highpenalty}%
7432     \addvspace{2.25em \@plus\p@}%
7433     \begingroup
7434       \setlength\@tempdima{3em}%
7435       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7436       \parfillskip -\@pnumwidth
7437       {\leavevmode

```




```

7438      \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
7439      \nobreak
7440      \global\@nobreaktrue
7441      \everypar{\global\@nobreakfalse\everypar{}}%
7442    \endgroup
7443  \fi}
7444 \else
7445   \renewcommand*\l@part{%
7446     \ifnum \c@tocdepth >-2\relax
7447       \addpenalty{-\@highpenalty}%
7448       \addvspace{2.25em \@plus \p@}%
7449       \@regtocline{0}%
7450     \fi}
7451 \fi
7452 \if@oldtoc
7453 \renewcommand*\l@chapter[2]{%
7454   \addpenalty{-\@highpenalty}%
7455   \vskip 1.0em \@plus \p@
7456   \setlength\@tempdima{1.5em}%
7457   \begingroup
7458   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \pnumwidth
7459   \parfillskip -\pnumwidth
7460   \leavevmode \bfseries
7461   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7462   \hskip -\if@RTL\rightskip\else\leftskip\fi
7463   #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
7464   \penalty\@highpenalty
7465   \endgroup}
7466 \else
7467   \renewcommand*\l@chapter{\@regtocline{0}}
7468 \fi
7469 \renewenvironment{abstract}{%
7470   \titlepage
7471   \null\vfil
7472   \section*{\SectFont \abstractname}
7473   \noindent\ignorespaces}
7474   {\par\vfil\null\endtitlepage}
7475 \renewenvironment{thebibliography}[1]
7476   {\chapter*{\bibname}%
7477     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
7478     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7479     \bidi@thebibliography@font@hook%
7480     \list{\@biblabel{\@arabic\c@enumiv}}%
7481       {\settowidth\labelwidth{\@biblabel{#1}}%
7482        \leftmargin\labelwidth
7483        \advance\leftmargin\labelsep
7484        \openbib@code
7485        \usecounter{enumiv}%
7486        \let\p@enumiv\@empty
7487        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
7488     \sloppy\clubpenalty4000\widowpenalty4000%
7489     \sfcode`\.\@m}
7490 {\def\@noitemerr
7491   {\@latex@warning{Empty `thebibliography' environment}}}%

```



```

7492         \endlist}
7493 \renewcommand*\left@footnoterule{%
7494     \kern-3\p@
7495     \kern.5\baselineskip
7496     \hrule\@width\unitindent
7497     \kern.4\baselineskip
7498 }
7499 \renewcommand*\right@footnoterule{%
7500     \kern-3\p@
7501     \kern.5\baselineskip
7502     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
7503     \kern.4\baselineskip}
7504 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
7505 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
7506 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
7507 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
7508 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
7509 \renewcommand*\theequation{%
7510     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
7511 \renewcommand*\thefigure{%
7512     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
7513 \renewcommand*\thetable{%
7514     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
7515 \renewcommand*\maketitle{%
7516     \begin{titlepage}%
7517         \let\footnotesize\small
7518         \let\right@footnoterule\relax
7519         \let\left@footnoterule\relax
7520         \let\textwidth\footnoterule\relax
7521         \let \footnote \thanks
7522         \long\def\@makefntext##1{\parindent\z@
7523             \def\labelitemi{\textendash}\@revlabeltrue
7524             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
7525         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
7526         \if@compatibility\setcounter{page}{0}\fi
7527         \null\vfil
7528         \vskip 60\p@
7529         \begin{center}%
7530             \TitleFont
7531             {\LARGE \def\\{\penalty -\@M}
7532                 \if@allcaps
7533                     \expandafter\uc@nothanks\@title\thanks\relax
7534                 \else
7535                     \@title
7536                 \fi\par}%
7537             \vskip 3em%
7538             {\large
7539                 \lineskip .75em \parindent\z@
7540                 \begin{tabular}[t]{c}%
7541                     \if@allcaps
7542                         \expandafter\uc@authornothanks\@author\and\relax
7543                     \else
7544                         \@author
7545                     \fi

```



```

7546         \end{tabular}\par}%
7547     \vskip 1.5em%
7548     {\large
7549         \if@allcaps
7550             \uppercase\expandafter{\@date}%
7551         \else
7552             \@date
7553         \fi\par}%
7554     \end{center}\par
7555     \@thanks
7556     \vfil\null
7557 \end{titlepage}%
7558 \setcounter{footnote}{0}%
7559 \global\let\thanks\relax
7560 \global\let\maketitle\relax
7561 \global\let\@thanks\@empty
7562 \global\let\@author\@empty
7563 \global\let\@title\@empty
7564 \global\let\@date\@empty
7565 \global\let\title\relax
7566 \global\let\author\relax
7567 \global\let\date\relax
7568 \global\let\and\relax
7569 }

```

43 File boek-xetex-bidi.def

```

7570 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
7571 \renewenvironment{theindex}{%
7572     \if@twocolumn
7573         \@restonecolfalse
7574     \else
7575         \@restonecoltrue
7576     \fi
7577     \columnseprule \z@
7578     \columnsep 35\p@
7579     \twocolumn[\@makeschapterhead{\indexname}]%
7580     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
7581     \thispagestyle{plain}\parindent\z@
7582     \parskip\z@ \@plus .3\p@\relax
7583     \let\item\@idxitem
7584 }{%
7585     \if@restonecol\onecolumn\else\clearpage\fi}
7586 \renewcommand*\head@style{%
7587     \interlinepenalty \@M
7588     \hyphenpenalty=\@M \exhyphenpenalty=\@M
7589     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
7590 \renewcommand*\@regtocline[3]{%
7591     \ifnum #1>\c@tocdepth
7592     \else
7593         \vskip\z@ \@plus.2\p@
7594         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
7595         \if@RTL\rightskip\else\leftskip\fi\unitindent
7596         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil

```



```

7597 \parfillskip\z@
7598 \@tempdima\unitindent
7599 \parindent\z@
7600 \leavevmode
7601 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
7602 \hskip 1em \nobreak{\slshape #3}\par
7603 }%
7604 \fi}
7605 \if@oldtoc
7606 \renewcommand*\l@part[2]{%
7607 \ifnum \c@tocdepth >-2\relax
7608 \addpenalty{-\@highpenalty}%
7609 \addvspace{2.25em \@plus\p@}%
7610 \begingroup
7611 \setlength\@tempdima{3em}%
7612 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
7613 \parfillskip -\@pnumwidth
7614 {\leavevmode
7615 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7616 \nobreak
7617 \global\@nobreaktrue
7618 \everypar{\global\@nobreakfalse\everypar{}}%
7619 \endgroup
7620 \fi}
7621 \else
7622 \renewcommand*\l@part{%
7623 \ifnum \c@tocdepth >-2\relax
7624 \addpenalty{-\@highpenalty}%
7625 \addvspace{2.25em \@plus \p@}%
7626 \@regtocline{0}%
7627 \fi}
7628 \fi
7629 \if@oldtoc
7630 \renewcommand*\l@chapter[2]{%
7631 \addpenalty{-\@highpenalty}%
7632 \vskip 1.0em \@plus\p@
7633 \setlength\@tempdima{1.5em}%
7634 \begingroup
7635 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
7636 \parfillskip -\@pnumwidth
7637 \leavevmode \bfseries
7638 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
7639 \hskip -\if@RTL\righskip\else\leftskip\fi
7640 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7641 \penalty\@highpenalty
7642 \endgroup}
7643 \else
7644 \renewcommand*\l@chapter{\@regtocline{0}}
7645 \fi
7646 \renewcommand*\left@footnoterule{%
7647 \kern-3\p@
7648 \kern.5\baselineskip
7649 \hrule\@width\unitindent
7650 \kern.4\baselineskip

```



```

7651 }
7652 \renewcommand*\right@footnoterule{%
7653   \kern-3\p@
7654   \kern.5\baselineskip
7655   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
7656   \kern.4\baselineskip}
7657 \renewenvironment{abstract}{%
7658   \titlepage
7659   \null\vfil
7660   \section*{\SectFont \abstractname}
7661   \noindent\ignorespaces}
7662 {\par\vfil\null\endtitlepage}
7663 \renewenvironment{thebibliography}[1]
7664 {\chapter*{\bibname}%
7665   \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
7666   \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
7667   \bidi@thebibliography@font@hook%
7668   \list{\@biblabel{\@arabic\c@enumiv}}{%
7669     {\settowidth\labelwidth{\@biblabel{#1}}%
7670     \leftmargin\labelwidth
7671     \advance\leftmargin\labelsep
7672     \openbib@code
7673     \usecounter{enumiv}%
7674     \let\p@enumiv\@empty
7675     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
7676   \sloppy\clubpenalty4000\widowpenalty4000%
7677   \sfcode\.\@m}
7678 {\def\@noitemerr
7679   {\@latex@warning{Empty `thebibliography' environment}}}%
7680   \endlist}
7681 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
7682 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
7683 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
7684 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
7685 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
7686 \renewcommand*\theequation{%
7687   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
7688 \renewcommand*\thefigure{%
7689   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
7690 \renewcommand*\thetable{%
7691   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
7692 \renewcommand*\maketitle{%
7693   \begin{titlepage}%
7694     \let\footnotesize\small
7695     \let\right@footnoterule\relax
7696     \let\left@footnoterule\relax
7697     \let\textwidth\footnoterule\relax
7698     \let \footnote \thanks
7699     \long\def\@makefnmark##1{\parindent\z@
7700       \def\labelitemi{\textendash}\@revlabeltrue
7701       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
7702     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
7703     \if@compatibility\setcounter{page}{0}\fi
7704     \null\vfil

```



```

7705 \vskip 60\p@
7706 \begin{center}%
7707 \TitleFont
7708 {\LARGE \def\{\{\penalty -\@M}
7709 \if@allcaps
7710 \expandafter\uc@nothanks\@title\thanks\relax
7711 \else
7712 \@title
7713 \fi\par}%
7714 \vskip 3em%
7715 {\large
7716 \lineskip .75em \parindent\z@
7717 \begin{tabular}[t]{c}%
7718 \if@allcaps
7719 \expandafter\uc@authornothanks\@author\and\relax
7720 \else
7721 \@author
7722 \fi
7723 \end{tabular}\par}%
7724 \vskip 1.5em%
7725 {\large
7726 \if@allcaps
7727 \uppercase\expandafter{\@date}%
7728 \else
7729 \@date
7730 \fi\par}%
7731 \end{center}\par
7732 \@thanks
7733 \vfil\null
7734 \end{titlepage}%
7735 \setcounter{footnote}{0}%
7736 \global\let\thanks\relax
7737 \global\let\maketitle\relax
7738 \global\let\@thanks\@empty
7739 \global\let\@author\@empty
7740 \global\let\@title\@empty
7741 \global\let\@date\@empty
7742 \global\let\title\relax
7743 \global\let\author\relax
7744 \global\let\date\relax
7745 \global\let\and\relax
7746 }

```

44 File `bookest-xetex-bidi.def`

```

7747 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
7748 \def\@makechapterhead#1{%
7749 \vspace*{20\p@}
7750 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7751 \ifnum \c@secnumdepth >\m@ne
7752 \if@mainmatter
7753 {\colorA\huge\scshape \@chapapp\space \thechapter}
7754 \par\nobreak
7755 \vskip 10\p@

```



```

7756     \fi
7757     \fi
7758     \interlinepenalty\@M
7759     {\colorB\hrule}
7760     \vskip 15\p@
7761     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
7762         {\colorA\Huge \bfseries #1}\par\nobreak
7763     \if@RTL\end{flushleft}\else\end{flushright}\fi
7764     \vskip 5\p@
7765     {\colorB\hrule}
7766     \vskip 30\p@
7767     }}
7768 \def\@makeschapterhead#1{%
7769     \vspace*{20\p@}
7770     {\parindent \z@ \raggedright \normalfont
7771     {\colorB\hrule}
7772     \vskip 15\p@
7773     \begin{center}
7774         {\colorA\Huge \bfseries #1}\par\nobreak
7775     \end{center}
7776     \vskip 5\p@
7777     {\colorB\hrule}
7778     \vskip 30\p@
7779     }}

```

45 File book-xetex-bidi.def

```

7780 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class]
7781 \renewenvironment{theindex}
7782     {\if@twocolumn
7783         \@restonecolfalse
7784         \else
7785             \@restonecoltrue
7786         \fi
7787         \columnseprule \z@
7788         \columnsep 35\p@
7789         \twocolumn[\@makeschapterhead{\indexname}]%
7790         \@mkboth{\MakeUppercase\indexname}%
7791                 {\MakeUppercase\indexname}%
7792         \thispagestyle{plain}\parindent\z@
7793         \parskip\z@ \@plus .3\p@\relax
7794         \let\item\@idxitem}
7795     {\if@restonecol\onecolumn\else\clearpage\fi}
7796 \@ifclassloaded{bookest}{\{}{\%
7797     \if@titlepage
7798     \renewcommand\maketitle{\begin{titlepage}%
7799     \let\footnotesize\small
7800     \let\right@footnoterule\relax
7801     \let\left@footnoterule\relax
7802     \let\textwidth@footnoterule\relax
7803     \let \footnote \thanks
7804     \let \LTRfootnote \LTRthanks
7805     \let \RTLfootnote \RTLthanks
7806     \null\vfil

```



```

7807 \vskip 60\p@
7808 \begin{center}%
7809   {\LARGE \@title \par}%
7810   \vskip 3em%
7811   {\large
7812     \lineskip .75em%
7813     \begin{tabular}[t]{c}%
7814       \@author
7815     \end{tabular}\par}%
7816   \vskip 1.5em%
7817   {\large \@date \par}%           % Set date in \large size.
7818 \end{center}\par
7819 \@thanks
7820 \vfil\null
7821 \end{titlepage}%
7822 \setcounter{footnote}{0}%
7823 \global\let\thanks\relax
7824 \global\let\LTRthanks\relax
7825 \global\let\RTLthanks\relax
7826 \global\let\maketitle\relax
7827 \global\let\@thanks\@empty
7828 \global\let\@author\@empty
7829 \global\let\@date\@empty
7830 \global\let\@title\@empty
7831 \global\let\title\relax
7832 \global\let\author\relax
7833 \global\let\date\relax
7834 \global\let\and\relax
7835 }
7836 \else
7837 \renewcommand\maketitle{\par
7838   \begingroup
7839     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7840     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7841     \long\def\@makefntext##1{\parindent 1em\noindent
7842       \hb@xt@1.8em{%
7843         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7844     \if@twocolumn
7845       \ifnum \col@number=\@one
7846         \@maketitle
7847       \else
7848         \twocolumn[\@maketitle]%
7849       \fi
7850     \else
7851       \newpage
7852       \global\@topnum\z@ % Prevents figures from going at top of page.
7853       \@maketitle
7854     \fi
7855     \thispagestyle{plain}\@thanks
7856   \endgroup
7857   \setcounter{footnote}{0}%
7858   \global\let\thanks\relax
7859   \global\let\LTRthanks\relax
7860   \global\let\RTLthanks\relax

```




```

7861 \global\let\maketitle\relax
7862 \global\let\@maketitle\relax
7863 \global\let\@thanks\@empty
7864 \global\let\@author\@empty
7865 \global\let\@date\@empty
7866 \global\let\@title\@empty
7867 \global\let\title\relax
7868 \global\let\author\relax
7869 \global\let\date\relax
7870 \global\let\and\relax
7871 }
7872 \def\@maketitle{%
7873 \newpage
7874 \null
7875 \vskip 2em%
7876 \begin{center}%
7877 \let \footnote \thanks
7878 \let \LTRfootnote \LTRthanks
7879 \let \RTLfootnote \RTLthanks
7880 {\LARGE \@title \par}%
7881 \vskip 1.5em%
7882 {\large
7883 \lineskip .5em%
7884 \begin{tabular}[t]{c}%
7885 \@author
7886 \end{tabular}\par}%
7887 \vskip 1em%
7888 {\large \@date}%
7889 \end{center}%
7890 \par
7891 \vskip 1.5em}
7892 \fi}
7893 \renewcommand*\l@part[2]{%
7894 \ifnum \c@tocdepth >-2\relax
7895 \addpenalty{-\@highpenalty}%
7896 \addvspace{2.25em \@plus\p}%
7897 \setlength\@tempdima{3em}%
7898 \begingroup
7899 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7900 \parfillskip -\@pnumwidth
7901 {\leavevmode
7902 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7903 \nobreak
7904 \global\@nobreaktrue
7905 \everypar{\global\@nobreakfalse\everypar{}}%
7906 \endgroup
7907 \fi}
7908 \renewcommand*\l@chapter[2]{%
7909 \ifnum \c@tocdepth >\m@ne
7910 \addpenalty{-\@highpenalty}%
7911 \vskip 1.0em \@plus\p@
7912 \setlength\@tempdima{1.5em}%
7913 \begingroup
7914 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

7915 \parfillskip -\@pnumwidth
7916 \leavevmode \bfseries
7917 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7918 \hskip -\if@RTL\rightskip\else\leftskip\fi
7919 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7920 \penalty\@highpenalty
7921 \endgroup
7922 \fi}
7923 \renewcommand\left@footnoterule{%
7924 \kern-3\p@
7925 \hrule\@width.4\columnwidth
7926 \kern2.6\p@}
7927 \renewcommand\right@footnoterule{%
7928 \kern-3\p@
7929 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7930 \kern2.6\p@}
7931 \renewcommand\theequation
7932 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7933 \renewcommand \thefigure
7934 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7935 \renewcommand \thetable
7936 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7937 \renewcommand \thechapter {\@arabic\c@chapter}
7938 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7939 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7940 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
7941 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7942 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7943 \def\@makechapterhead#1{%
7944 \vspace*{50\p@}%
7945 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7946 \ifnum \c@secnumdepth >\m@ne
7947 \if@mainmatter
7948 \huge\bfseries \@chapapp\space \thechapter
7949 \par\nobreak
7950 \vskip 20\p@
7951 \fi
7952 \fi
7953 \interlinepenalty\@M
7954 \Huge \bfseries #1\par\nobreak
7955 \vskip 40\p@
7956 }}
7957 \def\@makeschapterhead#1{%
7958 \vspace*{50\p@}%
7959 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7960 \normalfont
7961 \interlinepenalty\@M
7962 \Huge \bfseries #1\par\nobreak
7963 \vskip 40\p@
7964 }}
7965 \renewcommand\backmatter{%
7966 \if@openright
7967 \cleardoublepage
7968 \else

```



```

7969 \clearpage
7970 \fi
7971 \@mainmatterfalse}
7972 \renewenvironment{thebibliography}[1]
7973   {\chapter*{\bibname}%
7974    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
7975    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7976    \bidi@thebibliography@font@hook%
7977    \list{\@biblabel{\@arabic\c@enumiv}}%
7978      {\settowidth\labelwidth{\@biblabel{#1}}%
7979       \leftmargin\labelwidth
7980       \advance\leftmargin\labelsep
7981       \@openbib@code
7982       \usecounter{enumiv}%
7983       \let\p@enumiv\@empty
7984       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7985   \sloppy
7986   \clubpenalty4000
7987   \@clubpenalty \clubpenalty
7988   \widowpenalty4000%
7989   \sfcode`. \m}
7990   {\def\@noitemerr
7991    {\@latex@warning{Empty `thebibliography' environment}}}%
7992   \endlist}

```

46 File breqn-xetex-bidi.def

```

7993 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
7994 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
7995 \everydisplay\expandafter{\the\everydisplay \display@setup}%
7996 \if@noskipsec \leavevmode \fi
7997 \if@inlabel \leavevmode \global\@inlabelfalse \fi
7998 \if\eq@group\else\eq@prelim\fi
7999 \setkeys{breqn}{#1}%
8000 \the\eqstyle
8001 \eq@setnumber
8002 \begingroup
8003 \eq@setup@a
8004 \eq@startup
8005 }
8006 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
8007 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
8008 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
8009 \global\let\GRP@label\@empty
8010 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
8011 \global\grp@linewidth\z@\global\grp@wdNum\z@
8012 \global\let\grp@eqs@numbered\@False
8013 \global\let\grp@aligned\@True
8014 \global\let\grp@shiftnumber\@False
8015 \eq@prelim
8016 \setkeys{breqn}{#1}%
8017 \if\grp@hasNumber \grp@setnumber \fi
8018 }
8019 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%

```



```

8020 \let\display@setup\dseries@display@setup
8021 % Question: should this be the default for dseries???
8022 \global\eq@wdCond\z@
8023 \@dmath[layout={M},#1]%
8024 \mathsurround\z@\@math \penalty\@Mi
8025 \let\endmath\ends@math
8026 \def\premath{%
8027   \ifdim\lastskip<.3em \unskip
8028   \else\ifnum\lastpenalty<\@M \dquad\fi\fi
8029 }%
8030 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
8031 \ignorespaces
8032 }
8033 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
8034 \renewenvironment{dsuspend}{%
8035   \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
8036   \parshape 1 \displayindent \displaywidth\relax
8037   \hsize=\columnwidth \noindent\ignorespaces
8038 }{%
8039   \par\egroup
8040   \global\setbox\GRP@box\vbox{%
8041     \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
8042     \unvbox\GRP@box
8043   }%
8044   \global\GRP@queue\@xp{\the\GRP@queue
8045     \@elt{\let\eq@isIntertext\@True}%
8046   }%
8047 }

```

47 File cals-xetex-bidi.def

```

8048 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeT
8049 \renewcommand\cals@setup@alignment[1]{%
8050 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
8051 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
8052 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
8053 }
8054 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
8055 \renewenvironment{calstable}[1][\cals@table@alignment]{%
8056 \if@RTLtab\cals@activate@rtl\fi
8057 \let\cals@thead@tokens=\relax
8058 \let\cals@tfoot@tokens=\relax
8059 \let\cals@tbody@tokens=\relax
8060 \cals@tfoot@height=0pt \relax
8061 \let\cals@last@context=n%
8062 \let\cals@current@context=b%
8063 \parindent=0pt \relax%
8064 \cals@setup@alignment{#1}%
8065 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
8066 %% Alignment inside is independent on center/flushright outside
8067 \parfillskip=0pt plus1fil\relax
8068 \let\cals@borderL=\relax
8069 \let\cals@borderR=\relax
8070 \let\cals@borderT=\relax

```



```

8071 \let\cals@borderB=\relax
8072 \setbox\cals@backup@row=\box\voidb@x\relax
8073 \cals@AtBeginTable
8074 }{% End of the table
8075 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
8076 \renewcommand\alignL{%
8077 \if@RTLtab
8078   \cals@vfillAdd\cals@paddingL
8079 \else
8080   \cals@vfillDrop\cals@paddingL
8081 \fi
8082 \cals@vfillDrop\cals@paddingR}
8083 \renewcommand\alignR{%
8084 \if@RTLtab
8085   \cals@vfillDrop\cals@paddingL
8086 \else
8087   \cals@vfillAdd\cals@paddingL
8088 \fi
8089 \cals@vfillDrop\cals@paddingR}

```

48 File caption-xetex-bidi.def

```

8090 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package f
8091 \let\makecaption\caption@makecaption

```

49 File caption3-xetex-bidi.def

```

8092 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
8093 \renewcommand*\caption@par{%
8094   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

50 File colortbl-xetex-bidi.def

```

8095 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
8096 \def\CT@setup{%
8097   \@tempdimb\col@sep
8098   \@tempdimc\col@sep
8099   \def\CT@color{%
8100     \global\let\CT@do@color\CT@@do@color
8101     \bidicolor}}
8102 \def\@classz{\@classx
8103   \@tempcnta \count@
8104   \prepnext@tok
8105 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
8106 \addtopreamble{\if@RTLtab\beginL\fi%
8107   \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
8108   \ifcase \@chnum
8109     \hskip\stretch{.5}\kern\z@
8110     \d@llarbegin
8111     \insert@column
8112     \d@llarend\hskip\stretch{.5}\or
8113     \d@llarbegin \insert@column \d@llarend \hfill \or
8114     \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
8115   $\vcenter

```



```

8116 \startpbox{\@nextchar}\insert@column \@endpbox $\or
8117 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
8118 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
8119 \fi
8120 \if@RTLtab\endR\fi\egroup\egroup
8121 \begingroup
8122 \CT@setup
8123 \CT@column@color
8124 \CT@row@color
8125 \CT@cell@color
8126 \CT@do@color
8127 \endgroup
8128 \tempdima\ht\z@
8129 \advance\tempdima\minrowclearance
8130 \vrule\@height\tempdima\@width\z@
8131 \unhbox\z@\if@RTLtab\endL\fi}%
8132 \prepnext@tok}

```

51 File color-xetex-bidi.def

```

8133 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
8134 \long\def\color@b@x#1#2#3{%
8135 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
8136 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
8137 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
8138 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
8139 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
8140 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
8141 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
8142 \DeclareRobustCommand\color{%
8143 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}%
8144 \def\@declaredcolor#1{%
8145 \@ifundefined{\string\color @#1}%
8146 {\c@lor@error{`#1'}}%
8147 {\expandafter\let\expandafter\current@color
8148 \csname\string\color @#1\endcsname
8149 \set@color}%
8150 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
8151 \def\@undeclaredcolor[#1]#2{%
8152 \@ifundefined{color@#1}%
8153 {\c@lor@error{model `#1'}}%
8154 {\csname color@#1\endcsname\current@color{#2}%
8155 \set@color}%
8156 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
8157 \DeclareRobustCommand\bidicolor{%
8158 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
8159 \def\@bidiundeclaredcolor[#1]#2{%
8160 \@ifundefined{color@#1}%
8161 {\c@lor@error{model `#1'}}%
8162 {\csname color@#1\endcsname\current@color{#2}%
8163 \set@color}%
8164 \ignorespaces}
8165 \def\@bidideclaredcolor#1{%
8166 \@ifundefined{\string\color @#1}%

```



```

8167   {\color@error{`#1'}}}%
8168   {\expandafter\let\expandafter\current@color
8169     \csname\string\color @#1\endcsname
8170     \set@color}%
8171   \ignorespaces}
8172 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
8173 \def\color@fbox#1#2#3{%
8174   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
8175 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmod

```

52 File combine-xetex-bidi.def

```

8176 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
8177 \renewcommand{\c@ll@chapsecii}[2]{%
8178   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8179   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
8180   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8181 }
8182 \renewcommand{\c@ll@chapseci}{%
8183   \setlength\@tempdima{0em}%
8184   \begingroup
8185     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8186     \parfillskip -\@pnumwidth
8187     \leavevmode
8188 }
8189 \renewenvironment{tocindent}[1]{%
8190   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

53 File crop-xetex-bidi.def

```

8191 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeT
8192 \renewcommand*\CROP@ulc{%
8193   \if@RTLmain%
8194     \begin{picture}(0,0)
8195       \unitlength\p@\thinline
8196       \put(-40,0){\circle{10}}
8197       \put(-30,-5){\line(0,1){10}}
8198       \put(-35,0){\line(1,0){30}}
8199       \put(-10,30){\circle{10}}
8200       \put(-5,30){\line(1,0){10}}
8201       \put(0,35){\line(0,-1){30}}
8202     \end{picture}%
8203   \else%
8204     \begin{picture}(0,0)
8205       \unitlength\p@\thinline
8206       \put(-30,0){\circle{10}}
8207       \put(-30,-5){\line(0,1){10}}
8208       \put(-35,0){\line(1,0){30}}
8209       \put(0,30){\circle{10}}
8210       \put(-5,30){\line(1,0){10}}
8211       \put(0,35){\line(0,-1){30}}
8212     \end{picture}%
8213   \fi%
8214 }

```



```

8215 \renewcommand*\CROP@urc{%
8216   \if@RTLmain%
8217     \begin{picture}(0,0)
8218       \unitlength\p@\thinline
8219       \put(20,0){\circle{10}}
8220       \put(30,-5){\line(0,1){10}}
8221       \put(35,0){\line(-1,0){30}}
8222       \put(-10,30){\circle{10}}
8223       \put(-5,30){\line(1,0){10}}
8224       \put(0,35){\line(0,-1){30}}
8225     \end{picture}%
8226   \else%
8227     \begin{picture}(0,0)
8228       \unitlength\p@\thinline
8229       \put(30,0){\circle{10}}
8230       \put(30,-5){\line(0,1){10}}
8231       \put(35,0){\line(-1,0){30}}
8232       \put(0,30){\circle{10}}
8233       \put(-5,30){\line(1,0){10}}
8234       \put(0,35){\line(0,-1){30}}
8235     \end{picture}%
8236   \fi%
8237 }
8238 \renewcommand*\CROP@llc{%
8239   \if@RTLmain%
8240     \begin{picture}(0,0)
8241       \unitlength\p@\thinline
8242       \put(-40,0){\circle{10}}
8243       \put(-30,-5){\line(0,1){10}}
8244       \put(-35,0){\line(1,0){30}}
8245       \put(-10,-30){\circle{10}}
8246       \put(-5,-30){\line(1,0){10}}
8247       \put(0,-35){\line(0,1){30}}
8248     \end{picture}%
8249   \else%
8250     \begin{picture}(0,0)
8251       \unitlength\p@\thinline
8252       \put(-30,0){\circle{10}}
8253       \put(-30,-5){\line(0,1){10}}
8254       \put(-35,0){\line(1,0){30}}
8255       \put(0,-30){\circle{10}}
8256       \put(-5,-30){\line(1,0){10}}
8257       \put(0,-35){\line(0,1){30}}
8258     \end{picture}%
8259   \fi%
8260 }
8261 \renewcommand*\CROP@lrc{%
8262   \if@RTLmain%
8263     \begin{picture}(0,0)
8264       \unitlength\p@\thinline
8265       \put(20,0){\circle{10}}
8266       \put(30,-5){\line(0,1){10}}
8267       \put(35,0){\line(-1,0){30}}
8268       \put(-10,-30){\circle{10}}

```




```

8269      \put(-5,-30){\line(1,0){10}}
8270      \put(0,-35){\line(0,1){30}}
8271    \end{picture}%
8272    \else%
8273    \begin{picture}(0,0)
8274      \unitlength\p@\thinline
8275      \put(30,0){\circle{10}}
8276      \put(30,-5){\line(0,1){10}}
8277      \put(35,0){\line(-1,0){30}}
8278      \put(0,-30){\circle{10}}
8279      \put(-5,-30){\line(1,0){10}}
8280      \put(0,-35){\line(0,1){30}}
8281    \end{picture}%
8282    \fi%
8283  }
8284  \@ifpackagewith{crop}{cam}{%
8285  \CROP@execopt{cam}%
8286  }{}

```

54 File cutwin-xetex-bidi.def

```

8287 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
8288 \renewcommand*{\c@twcompctr}[2]{%
8289   \def\c@twfirst{1}
8290   \loop\advance\c@twinlines\m@ne
8291     \setbox\c@twslicea=\vsplit#1 to\baselineskip
8292     \setbox\c@twsliceb=\vsplit#1 to\baselineskip
8293     \c@twprune{\c@twslicea}{\c@twlftside}%
8294     \c@twprune{\c@twsliceb}{\c@twrtside}%
8295     \ifnum\c@twfirst=\@ne
8296       \setbox#2=\vbox{\unvbox#2\hbox
8297         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
8298       \else
8299       \setbox#2=\vbox{\unvbox#2\hbox
8300         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
8301     \fi
8302   \def\c@twfirst{2}
8303   \ifnum\c@twinlines>\z@\repeat
8304 \renewcommand*{\c@twcompodctr}[2]{%
8305   \def\c@twrounds{1}
8306   \def\c@twfirst{1}
8307   \@for\c@twlspec:=\c@twb\do{%
8308     \ifnum\c@twrounds=1
8309       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
8310       \c@twprune{\c@twslicea}{\c@twlspec}%
8311     \def\c@twrounds{2}
8312   \else
8313     \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
8314     \c@twprune{\c@twsliceb}{\c@twlspec}%
8315     \ifnum\c@twfirst=1
8316       \setbox#2=\vbox{\unvbox#2\hbox
8317         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\
8318     \def\c@twfirst{2}
8319   \else

```



```

8320         \setbox#2=\vbox{\unvbox#2\hbox
8321         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\el
8322         \fi
8323         \def\c@twrounds{1}
8324     \fi}}

```

55 File cuted-xetex-bidi.def

```

8325 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for X
8326
8327 \def\RTL@outputdblcol{%
8328   \if@firstcolumn
8329     \global\@firstcolumnfalse
8330     \global\setbox\@leftcolumn\copy\@outputbox
8331     \splitmaxdepth\maxdimen
8332     \vbadness\maxdimen
8333     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
8334     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
8335     \toks@\expandafter{\topmark}%
8336     \xdef\@firstcoltopmark{\the\toks@}%
8337     \toks@\expandafter{\splitfirstmark}%
8338     \xdef\@firstcolfirstmark{\the\toks@}%
8339     \ifx\@firstcolfirstmark\@empty
8340       \global\let\@setmarks\relax
8341     \else
8342       \gdef\@setmarks{%
8343         \let\firstmark\@firstcolfirstmark
8344         \let\topmark\@firstcoltopmark}%
8345     \fi
8346   \else
8347     \global\@firstcolumntrue
8348     \setbox\@outputbox\vbox{%
8349       \hb@xt@\textwidth{%
8350         \hskip \columnwidth
8351         \hfil
8352         {\normalcolor\vrule \@width\columnseprule}%
8353         \hfil
8354         \hb@xt@\columnwidth{%
8355           \bidi@firstcolumn@status@write%
8356           \box\@leftcolumn \hss}%
8357         \hskip -\textwidth
8358         \hb@xt@\columnwidth{%
8359           \bidi@lastcolumn@status@write%
8360           \box\@outputbox \hss}%
8361         \hskip \columnsep
8362         \hskip \columnwidth }}%
8363     \ifvoid\hold@viper
8364     \else
8365       \setbox\@outputbox \vbox to\textheight{%
8366         \box\hold@viper
8367         \box\@outputbox
8368         \vss
8369         }%
8370     \fi

```



```

8371 \@combinedblfloats
8372   \@setmarks
8373   \@outputpage
8374   \begingroup
8375     \@dblfloatplacement
8376     \@startdblcolumn
8377     \@whiles\if@fcolmade \fi{\@outputpage
8378     \@startdblcolumn}%
8379     \ifvoid\@viper
8380     \else
8381       \global\setbox\@viper\vbox{%
8382         \vskip-\stripsep
8383         \unvbox\@viper
8384       }%
8385       \@viperoutput
8386     \fi
8387   \endgroup
8388 \fi}%
8389
8390 \def\LTR@outputdblcol{%
8391   \if@firstcolumn
8392     \global\@firstcolumnfalse
8393     \global\setbox\@leftcolumn\copy\@outputbox
8394     \splitmaxdepth\maxdimen
8395     \vbadness\maxdimen
8396     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
8397     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
8398     \toks@\expandafter{\topmark}%
8399     \xdef\@firstcoltopmark{\the\toks@}%
8400     \toks@\expandafter{\splitfirstmark}%
8401     \xdef\@firstcolfirstmark{\the\toks@}%
8402     \ifx\@firstcolfirstmark\@empty
8403       \global\let\@setmarks\relax
8404     \else
8405       \gdef\@setmarks{%
8406         \let\firstmark\@firstcolfirstmark
8407         \let\topmark\@firstcoltopmark}%
8408     \fi
8409   \else
8410     \global\@firstcolumntrue
8411     \setbox\@outputbox\vbox{%
8412       \hb@xt@\textwidth{%
8413         \hb@xt@\columnwidth{%
8414           \bidi@firstcolumn@status@write%
8415           \box\@leftcolumn \hss}%
8416       \hfil
8417       {\normalcolor\vrule \@width\columnseprule}%
8418       \hfil
8419       \hb@xt@\columnwidth{%
8420         \bidi@lastcolumn@status@write%
8421         \box\@outputbox \hss}}}%
8422     \ifvoid\hold@viper
8423     \else
8424       \setbox\@outputbox \vbox to\textheight{%

```



```

8425                                     \box\hold@viper
8426                                     \box\@outputbox
8427                                     \vss
8428                                     }%
8429     \fi
8430 \@@combinedblfloats
8431     \@setmarks
8432     \@outputpage
8433     \beginngroup
8434         \@dblfloatplacement
8435         \@startdblcolumn
8436         \@whiles\if@fcolmade \fi{\@outputpage
8437         \@startdblcolumn}%
8438         \ifvoid\@viper
8439         \else
8440             \global\setbox\@viper\vbox{%
8441                 \vskip-\stripsep
8442                 \unvbox\@viper
8443             }%
8444             \@viperoutput
8445         \fi
8446     \endgroup
8447 \fi}%
8448
8449 \def\@addviper{%
8450     \@insertfalse
8451     \def\var@@thecol@num{2}%
8452     \if@firstcolumn
8453         \def\var@@thecol@num{1}%
8454         \@reqcolroom=.5\@pageht
8455         \ht@viper=\@reqcolroom
8456         \advance\@reqcolroom by\ht\@viper
8457         \advance\@reqcolroom by\stripsep
8458     \else
8459         \@reqcolroom=\@colht
8460         \advance\@reqcolroom by\@pageht
8461         \ht@viper.5\@reqcolroom
8462         \@reqcolroom=\ht@viper
8463         \advance\@reqcolroom by\ht\@viper
8464         \advance\@reqcolroom by\stripsep
8465         \global\setbox\@holdpg\vbox{%
8466             \setbox\cuted@@tempbox@a\vbox{%
8467                 \aftergroup\unvbox
8468                 \unvcopy\@leftcolumn
8469                 \unskip\unkern\unpenalty
8470                 \setbox\@tempboxa\lastbox
8471                 \ifdim\dimexpr\ht\@tempboxa+\wd\@tempboxa+\dp\@tempboxa>\z@
8472                     %% keeps lastbox
8473                 \aftergroup\@leftcolumn
8474             \else
8475                 %% removes lastbox
8476                 \aftergroup\cuted@@tempbox@a
8477             \fi
8478             }%

```



```

8479         \unskip\unkern\unpenalty
8480         \on@stripcols@break
8481         \the\At@ViperColsBreak
8482         \unvbox\@holdpg
8483     }%
8484     \global\At@ViperColsBreak{}%
8485     \ht@viper=.5\ht\@holdpg
8486     \ifdim\ht@viper>\@colht
8487         \ht@viper=\@colht
8488     \fi
8489 \fi
8490 %%
8491 %% calculations for breaking
8492 %%
8493 \ifvoid\hold@viper
8494     \ht@hold@viper=\z@
8495 \else
8496     \ht@hold@viper=\ht\hold@viper
8497 \fi
8498 \cuted@@tempdim@b\ht@viper
8499 \set@split@topskip@to\topskip
8500 \loop
8501     \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
8502     \setbox\cuted@@varbox@a\copy\@holdpg
8503     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
8504     %% set leftcolumn boxes
8505     \setbox\cuted@@tempbox@c\ vbox{\unvbox\cuted@@tempbox@a}%
8506     \setbox\cuted@@tempbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
8507     \xdef\var@@leftcolumn@badness{\the\badness}%
8508     %% set rightcolumn boxes
8509     \setbox\cuted@@varbox@c\ vbox{\unvbox\cuted@@varbox@a}%
8510     \setbox\cuted@@varbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
8511     \xdef\var@@rightcolumn@badness{\the\badness}%
8512     %% analyzing split goodness
8513     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
8514     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
8515     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
8516     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
8517     \cuted@@wlog@debug{CUTED [----]}%
8518     ^^JLeft: \the\ht\cuted@@tempbox@c
8519     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
8520     ^^JRight: \the\ht\cuted@@varbox@c
8521     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
8522     ^^JSplit: \the\cuted@@tempdim@b
8523     ^^JExtra height: \the\cuted@@tempdim@spread
8524     }%
8525     \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
8526         \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
8527             \cuted@@tempdim@spread=\z@
8528         \fi
8529     \fi
8530     \ifdim\cuted@@tempdim@spread<\z@
8531         \if@leftcolumn@spread
8532             \if@rightcolumn@shrink

```



```

8533         \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
8534             \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@sp
8535         \else
8536             \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\rela
8537         \fi
8538         \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
8539         \ifnum\badness<\cuted@@column@badness
8540             \cuted@@tempdim@b=\cuted@@tempdim@a
8541             \cuted@@tempdim@spread=\z@
8542         \fi
8543         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
8544         \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
8545         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
8546     \else
8547         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
8548             \unvcopy\cuted@@tempbox@c
8549             }%
8550         \ifnum\badness<\cuted@@column@badness
8551             \@tempdimb=\ht\cuted@@varbox@c
8552             \cuted@@tempdim@spread=\z@
8553         \fi
8554         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\h
8555         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
8556             \unvcopy\cuted@@varbox@c
8557             }%
8558         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\h
8559     \fi
8560 \else
8561     \if@right@column@shrink
8562         \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
8563         \else
8564             \cuted@@tempdim@b=\ht\cuted@@tempbox@c
8565             \cuted@@tempdim@spread=\z@
8566         \fi
8567     \fi
8568 \fi
8569 \else
8570     \ifdim\cuted@@tempdim@spread>\z@
8571         \ifdim\dimexpr\@tempdimb+p@\relax>\@colht
8572             \cuted@@tempdim@b=\@colht
8573             \cuted@@tempdim@spread=\z@
8574         \fi
8575     \fi
8576 \fi
8577 \ifdim\cuted@@tempdim@spread<\z@
8578     \advance\cuted@@tempdim@b 1p@
8579 \repeat
8580 \wlog{CUTED [- LAST -]}%
8581 ^^JExtra skip:\the\cuted@@tempdim@spread
8582 ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
8583 ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
8584 ^^JSplit: \saved@tempdimb
8585 ^^JOutput:\the\cuted@@tempdim@b
8586 ^^JPageshrink: \the\pageshrink

```



```

8587      ^^JPagestretch: \the\pagestretch
8588      ^^J@colht:\the\@colht
8589      }%
8590      %%
8591      %% final construction of the cuted page above strip
8592      %%
8593      \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
8594      \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
8595        \cuted@@tempdim@a=\dimexpr
8596          \cuted@@tempdim@b-\ht\cuted@@tempbox@c
8597          \relax
8598        \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
8599        \unvbox\cuted@@tempbox@c
8600        \ifdim\cuted@@tempdim@spread>\dp\strutbox
8601        \else
8602          \vskip-\cuted@@tempdim@spread
8603        \fi
8604        \prevdepth\z@
8605        \hrule\@height\cuted@@page@rule width\textwidth
8606        \vskip-\cuted@@page@rule
8607        \ifdim\cuted@@tempdim@a>\z@
8608          \if@left@column@spread
8609          \else
8610            \vss
8611          \fi
8612        \else
8613          \ifdim\cuted@@tempdim@a<\z@
8614            \if@left@column@shrink
8615            \else
8616              \vss
8617            \fi
8618          \fi
8619        \fi
8620      }%
8621      \wlog{CUTED [output]: \the\cuted@@tempdim@b
8622      ^^JCUTED [leftcolumn badness]: \number\badness
8623      }%
8624      \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
8625        \cuted@@tempdim@a=\dimexpr
8626          \cuted@@tempdim@b-\ht\@holdpg
8627          \relax
8628        \unvbox\@holdpg
8629        \ifdim\cuted@@tempdim@a>\z@
8630          \if@right@column@spread
8631          \else
8632            \vss
8633          \fi
8634        \else
8635          \ifdim\cuted@@tempdim@a<\z@
8636            \if@right@column@shrink
8637            \else
8638              \vss
8639            \fi
8640          \fi

```



```

8641     \fi
8642   }%
8643   \wlog{CUTED [rightcolumn badness]: \number\badness}%
8644   \setbox\cuted@@tempbox@var\vbox{%
8645     \hb@xt@\textwidth{%
8646       \if@RTLmain
8647         \hskip \columnwidth
8648         \hfil
8649         {\normalcolor\vrule \@width\columnseprule}%
8650         \hfil
8651         \hb@xt@\columnwidth{%
8652           \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
8653           \hss
8654         }%
8655         \hskip -\textwidth
8656         \hb@xt@\columnwidth{%
8657           \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
8658           \hss
8659         }%
8660         \hskip \columnsep
8661         \hskip \columnwidth
8662       \else
8663         \hb@xt@\columnwidth{%
8664           \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
8665           \hss
8666         }%
8667         \hfil
8668         {\normalcolor\vrule \@width\columnseprule}%
8669         \hfil
8670         \hb@xt@\columnwidth{%
8671           \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
8672           \hss
8673         }%
8674       \fi
8675     }%
8676   }%
8677   %%
8678   %% finalize cuted page
8679   %%
8680   \ifvoid\hold@viper
8681     \global\setbox\hold@viper\vbox{%
8682       \unvbox\cuted@@tempbox@var
8683       \penalty\interlinepenalty
8684       \vskip\stripsep
8685       \the\preCutedStrip
8686       \ifnum\outputpenalty<-\@Mii
8687         \vskip -\parskip
8688       \fi
8689       \outputpenalty\z@
8690     }%
8691   \else
8692     \global\setbox\hold@viper\vbox{%
8693       \unvbox\hold@viper
8694       \cuted@@tempbox@var

```




```

8695         \penalty\interlinepenalty
8696         \vskip\stripsep
8697         \the\preCutedStrip
8698         \ifnum\outputpenalty<-\@Mii
8699             \vskip -\parskip
8700         \fi
8701         \outputpenalty\z@
8702     }%
8703 \fi
8704 \ifdim\@colht>\@reqcolroom
8705     \global\setbox\hold@viper\vbox{%
8706         \unvbox\hold@viper
8707         \box\@viper
8708         \penalty\interlinepenalty
8709         \the\postCutedStrip
8710         \vskip\stripsep
8711         \ifnum\outputpenalty<-\@Mii
8712             \vskip -\parskip
8713         \fi
8714         \outputpenalty\z@
8715     }%
8716 \inserttrue
8717 \global\@firstcolumntrue
8718 \advance\ht@hold@viper by-\ht\hold@viper
8719 \global\advance\@colht by\ht@hold@viper
8720 \ifdim\@colht<2.5\baselineskip
8721     \latex@warning@no@line {Optional argument of \noexpand\twocolumn
8722                             too tall on page \thepage (\var@@thecol@num column)}}%
8723     \emptycol
8724     \if@firstcolumn
8725     \else
8726         \emptycol
8727     \fi
8728     \global\@lastvipertrue
8729 \else
8730     \global\vsizel\@colht
8731     \global\@colroom\@colht
8732     \check@floats\cuted@@tempdim@a
8733     \ifdim\cuted@@tempdim@a>\z@
8734         \global\advance\@colroom by-\cuted@@tempdim@a
8735     \fi
8736     \ifdim\@colroom<\z@
8737         \global\@colroom1\p@
8738         \ifdim\cuted@@tempdim@a>\@colht
8739             \latex@warning@no@line{TOP and/or BOT FLOAT's
8740                                     to large on \thepage (\var@@thecol@num column)}}%
8741         \fi
8742         \emptycol
8743         \if@firstcolumn
8744         \else
8745             \emptycol
8746         \fi
8747         \global\@lastvipertrue
8748     \fi

```



```

8749     \fi
8750   \fi
8751   \if@insert
8752   \else
8753     \advance\ht@hold@viper by-\ht\hold@viper
8754     \global\advance\@colht by\ht@hold@viper
8755     \global\setbox\hold@viper\ vbox{%
8756       \unvbox\hold@viper
8757       \set@split@topskip@to{\z@ plus2\p@}%
8758       \vsplit\@viper to\@colht
8759       \vss
8760     }%
8761     \vbox{}%
8762     \global\@firstcolumnfalse
8763     \newpage
8764   \fi
8765 }

```

56 File cvthemebidicasual.sty

```

8766 \NeedsTeXFormat{LaTeX2e}
8767 \ProvidesPackage{cvthemebidicasual}
8768 \DeclareOption{blue}{}
8769 \newif\if@colourorange\@colourorangefalse
8770 \DeclareOption{orange}{\@colourorangetrue}
8771 \newif\if@colourgreen\@colourgreenfalse
8772 \DeclareOption{green}{\@colourgreentrue}
8773 \newif\if@colourred\@colourredfalse
8774 \DeclareOption{red}{\@colourredtrue}
8775 \newif\if@colourgrey\@colourgreyfalse
8776 \DeclareOption{grey}{\@colourgreytrue}
8777 \DeclareOption*{
8778   \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
8779 \ExecuteOptions{colour}
8780 \ProcessOptions\relax
8781 \renewcommand*{\listitemsymbol}{\textbullet}
8782 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
8783 \familynamecolour{808080}
8784 \firstnamecolour{A9A9A9}
8785 \quotecolour{696969}
8786 \addresscolour{696969}
8787 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
8788 \sectiontitlecolour{1E90FF}
8789 \subsectioncolour{4682B4}
8790 \definecolor{rulecolour}{gray}{0.6}
8791 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
8792 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
8793 \if@colourorange
8794   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
8795   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
8796   \sectiontitlecolour{FF8C00}
8797   \subsectioncolour{FF8C00}
8798   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
8799   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi

```



```

8800 \if@colourgreen
8801 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
8802 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
8803 \sectiontitlecolour{008000}
8804 \subsectioncolour{008000}
8805 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
8806 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
8807 \if@coloured
8808 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
8809 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
8810 \sectiontitlecolour{FF0000}
8811 \subsectioncolour{FF0000}
8812 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
8813 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
8814 \if@colourgrey
8815 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
8816 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
8817 \sectiontitlecolour{808080}
8818 \subsectioncolour{808080}
8819 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
8820 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
8821 \renewcommand*{\ttdefault}{pcr}
8822 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
8823 \renewcommand*{\familynamefont}{\firstnamefont}
8824 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
8825 \renewcommand*{\quoteont}{\large\slshape}
8826 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
8827 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
8828 \renewcommand*{\maketitle}{%
8829   {%
8830     \ifthenelse{\isundefined{\@photo}}{%
8831       {%
8832         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
8833         \hfill%
8834         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}
8835       {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
8836     \ifthenelse{\isundefined{\@quote}}{%
8837       {%
8838         {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
8839       }%
8840     \newif\if@firstfooterelement\@firstfooterelementtrue
8841     \providecommand*{\footersymbol}{%
8842       \renewcommand*{\footersymbol}{%
8843         \if@firstfooterelement%
8844         \else%
8845           {~~\color{footersymbolcolor}\textbullet~~}\fi}
8846     \providecommand*{\makefooter}{%
8847       \renewcommand*{\makefooter}{%
8848         \fancypagestyle{plain}{%
8849           \fancyfoot[c]{%
8850             \parbox{0.8\textwidth}{%
8851               \centering%
8852               \addressfont\@addresscolour%
8853             \ifthenelse{\isundefined{\@address}}{\}{}%

```



```

8854 \addresssymbol~\@address\\%
8855 \@firstfooterelementfalse}%
8856 \ifthenelse{\isundefined{\@mobile}}{\@mobilesymbol~\@mobile\@firstfooterelementfalse}%
8857 \ifthenelse{\isundefined{\@phone}}{\@phone\@firstfooterelementfalse}%
8858 \ifthenelse{\isundefined{\@fax}}{\@fax\@firstfooterelementfalse}%
8859 \ifthenelse{\isundefined{\@email}}{\@email\@firstfooterelementfalse}%
8860 \ifthenelse{\isundefined{\@extrainfo}}{\@extrainfo\@firstfooterelementfalse}%
8861 }%
8862 \pagestyle{plain}}
8863 \AtBeginDocument{\makefooter}

```

57 File cvthemebidiclassic.sty

```

8864 \NeedsTeXFormat{LaTeX2e}
8865 \ProvidesPackage{cvthemebidiclassic}
8866 \DeclareOption{blue}{}
8867 \newif\if@colourorange\@colourorangefalse
8868 \DeclareOption{orange}{\@colourorange>true}
8869 \newif\if@colourgreen\@colourgreenfalse
8870 \DeclareOption{green}{\@colourgreentrue}
8871 \newif\if@colourred\@colourredfalse
8872 \DeclareOption{red}{\@colourredtrue}
8873 \newif\if@colourgrey\@colourgreyfalse
8874 \DeclareOption{grey}{\@colourgreytrue}
8875 \DeclareOption*{
8876 \PackageWarning{cvthemebidiclassic}{Unknown option '\CurrentOption'}}
8877 \ExecuteOptions{colour}
8878 \ProcessOptions\relax
8879 \renewcommand*{\listitemsymbol}{\textbullet}
8880 \firstnamecolour{}
8881 \familynamecolour{}
8882 \titlecolour{808080}
8883 \quotecolour{696969}
8884 \addresscolour{696969}
8885 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
8886 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
8887 \sectiontitlecolour{1E90FF}
8888 \subsectioncolour{4682B4}
8889 \if@colourorange
8890 \addresscolour{FF8C00}
8891 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
8892 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
8893 \sectiontitlecolour{FF8C00}
8894 \subsectioncolour{FF8C00}\fi
8895 \if@colourgreen
8896 \addresscolour{008000}
8897 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
8898 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
8899 \sectiontitlecolour{008000}
8900 \subsectioncolour{008000}\fi
8901 \if@colourred
8902 \addresscolour{FF0000}
8903 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
8904 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}

```



```

8905 \sectiontitlecolour{FF0000}
8906 \subsectioncolour{FF0000}\fi
8907 \if@colourgrey
8908 \addresscolour{808080}
8909 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
8910 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
8911 \sectiontitlecolour{808080}
8912 \subsectioncolour{808080}\fi
8913 \renewcommand*{\ttdefault}{pcr}
8914 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
8915 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
8916 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
8917 \renewcommand*{\familynamefont}{\firstnamefont}
8918 \renewcommand*{\quoteont}{\large\slshape}
8919 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
8920 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
8921 \newlength{\maketitlenamemaxwidth}
8922 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
8923 \newlength{\maketitlenamefullwidth}
8924 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
8925 \newlength{\maketitlenamewidth}
8926 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamefullwidth}\fi
8927 \newlength{\maketitlepicturewidth}
8928 \setlength{\maketitlepicturewidth}{\@photowidth}
8929 \newlength{\maketitledetailwidth}
8930 \renewcommand*{\recomputethemelengths}{%
8931 \setlength{\maketitledetailwidth}{\textwidth}%
8932 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
8933 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
8934 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
8935 \recomputethemelengths
8936 \newif\if@firstdetailselement\@firstdetailselementtrue
8937 \newcommand*{\maketitledetailsnewline}{
8938 \if@firstdetailselement%
8939 \@firstdetailselementfalse%
8940 \else%
8941 \[\.2em]\fi}
8942 \renewcommand*{\maketitle}{%
8943 % name and title
8944 \begin{minipage}[b]{\maketitlenamewidth}%
8945 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
8946 \ifthenelse{\equal{\@title}{}}{\[\1.25em]\titlestyle{\@title}}%
8947 \end{minipage}%
8948 % optional data
8949 \begin{minipage}[b]{\maketitledetailwidth}%
8950 \bidi@raggedleft\addressfont\@addresscolour%
8951 \ifthenelse{\isundefined{\@address}}{\}%
8952 \maketitledetailsnewline%
8953 \addresssymbol~\[\@address}%
8954 \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
8955 \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
8956 \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
8957 \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}}%
8958 \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%

```



```

8959 \end{minipage}%
8960 % optional photo
8961 \ifthenelse{\isundefined{\@photo}}%
8962 {}%
8963 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
8964 % optional quote
8965 \ifthenelse{\isundefined{\@quote}}%
8966 {}%
8967 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}\
8968 }

```

58 File dblfnote-xetex-bidi.def

```

8969 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
8970 \let\autofootnoterule\relax
8971 \let\rightfootnoterule\relax
8972 \let\leftfootnoterule\relax
8973 \let\textwidthfootnoterule\relax
8974 \let\LRfootnoterule\relax
8975 \def\footnoterule{\kern-3\p@
8976 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
8977 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
8978 \let\@footnotetext\dfn@footnotetext}
8979 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
8980 \let\insert\dfn@gobble
8981 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
8982 \def\@makefnmark{\smash{\dfn@makefnmark}}
8983 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
8984 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
8985 \ifdim\dfn@dima>z@\else
8986 \dfn@dima1sp\relax
8987 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
8988 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
8989 \ifvoid\dfn@ins\else
8990 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
8991 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
8992 \setbox\dfn@boxa\copy\dfn@ins
8993 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8994 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
8995 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
8996 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
8997 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
8998 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
8999 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
9000 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
9001 \let\insert\dfn@gobble
9002 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
9003 \def\@makefnmark{\smash{\dfn@makefnmark}}
9004 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
9005 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
9006 \ifdim\dfn@dima>z@\else
9007 \dfn@dima1sp\relax
9008 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
9009 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp

```



```

9010             \ifvoid\dfn@ins\else
9011                 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
9012             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
9013         \setbox\dfn@boxa\copy\dfn@ins
9014         \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9015         \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
9016         \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
9017         \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}}%
9018         \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
9019 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
9020 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
9021 \def\dfn@RTLmakecol{{\ifvoid\footins\else
9022     \dfn@dima\ht\footins
9023     \@tempcnta\z@ \dfn@countins
9024     \@tempdima\z@ \let\@elt\dfn@elt@getht
9025     \dfn@list\@nil
9026     \ifdim\@tempdima=\z@\else
9027         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
9028         \global\setbox\dfn@ins\box\dfn@ins
9029         \@tempswatrue
9030     \ifdfn@trysingle
9031         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
9032         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
9033         \advance\@tempdima-\skip\footins
9034         \advance\@tempdima-\ht\dfn@boxa
9035         \ifdim\@tempdima<\z@\else \@tempswafalse
9036             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
9037                 \footnoterule \unvbox\dfn@boxa}\fi\fi
9038     \if@tempswa
9039         \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9040         \global\setbox\footins\vbox{\hbox{%
9041             \hskip \DFNcolumnwidth
9042             \hskip\DFNcolumnsep
9043             \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
9044                 \unvbox\dfn@boxb\vss}\hss}
9045             \hskip -\textwidth
9046             \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
9047                 \vbox to\@tempdima{
9048                     \setbox\@tempboxa\vbox{\footnoterule}
9049                     \ifdfn@ruleboth \unvbox\@tempboxa
9050                     \else \@tempdima\ht\@tempboxa
9051                     \advance\@tempdima\dp\@tempboxa
9052                     \vskip\@tempdima
9053                     \prevdepth\dp\@tempboxa \fi
9054                     \unvbox\dfn@boxa\vss}\fi\hss}
9055                     \hskip \DFNcolumnsep
9056                     \hskip \DFNcolumnwidth}}}\fi\fi
9057         \global\dfn@fnht\z@
9058     \ifx\dfn@list\@empty\else
9059         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
9060         \dfn@list \global\advance\dfn@fnht\dfn@dimb
9061         \let\@elt\relax
9062         \ifdim\dfn@dimb>\z@
9063             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}}%

```



```

9064             \insert\footins{\floatingpenalty\@MM
9065                 \vbox to\dfn@dimb{}}\fi
9066         \ifdim\dfn@fnht>\@tempdima
9067             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
9068             \global\dfn@fnht\@tempdima
9069             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
9070             \xdef\dfn@afteroutput{\insert\footins{
9071                 \floatingpenalty\@MM
9072                 \vbox to\number\@tempdimb sp{}}}%
9073             \global\let\noexpand\dfn@afteroutput\relax}%
9074         \fi\fi
9075     \fi}%
9076     \let\footnoterule\relax \dfn@latex@makecol
9077     \let\footnoterule\dfn@footnoterule}
9078 \def\dfn@LTRmakecol{\ifvoid\footins\else
9079     \dfn@dima\ht\footins
9080     \@tempcnta\z@ \dfn@countins
9081     \@tempdima\z@ \let\@elt\dfn@elt@getht
9082     \dfn@list\@nil
9083     \ifdim\@tempdima=\z@\else
9084     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
9085     \global\setbox\dfn@ins\box\dfn@ins
9086     \@tempswatrue
9087     \ifdfn@trysingle
9088         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
9089         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
9090         \advance\@tempdima-\skip\footins
9091         \advance\@tempdima-\ht\dfn@boxa
9092         \ifdim\@tempdima<\z@\else \@tempswafalse
9093             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
9094                 \footnoterule \unvbox\dfn@boxa}\fi\fi
9095     \if@tempswa
9096     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9097     \global\setbox\footins\vbox{\hbox{%
9098         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
9099             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
9100         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
9101             \vbox to\@tempdima{
9102                 \setbox\@tempboxa\vbox{\footnoterule}
9103                 \ifdfn@ruleboth \unvbox\@tempboxa
9104                 \else \@tempdima\ht\@tempboxa
9105                     \advance\@tempdima\dp\@tempboxa
9106                     \vskip\@tempdima
9107                     \prevdepth\dp\@tempboxa \fi
9108                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
9109     \global\dfn@fnht\z@
9110     \ifx\dfn@list\@empty\else
9111         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
9112         \dfn@list \global\advance\dfn@fnht\dfn@dimb
9113         \let\@elt\relax
9114         \ifdim\dfn@dimb>\z@
9115             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
9116             \insert\footins{\floatingpenalty\@MM
9117                 \vbox to\dfn@dimb{}}\fi

```




```

9118             \ifdim\dfn@fnht>\@tempdima
9119                 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
9120                 \global\dfn@fnht\@tempdima
9121                 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}}%
9122                 \xdef\dfn@afteroutput{\insert\footins{
9123                     \floatingpenalty\@MM
9124                     \vbox to\number\@tempdimb sp{}}}%
9125                 \global\let\noexpand\dfn@afteroutput\relax}%
9126             \fi\fi
9127         \fi}%
9128         \let\footnoterule\relax \dfn@latex@makecol
9129         \let\footnoterule\dfn@footnoterule}
9130 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
9131 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
9132 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
9133 \DFNalwaysdouble

```

59 File diagbox-xetex-bidi.def

```

9134 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
9135 \bidi@patchcmd{\diagbox@double}{%
9136     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
9137 }{\bidi@@diagbox@double@ii}{}%
9138 \bidi@patchcmd{\diagbox@double}{%
9139     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
9140 }{\bidi@@diagbox@double@iii}{}%
9141 \newcommand*\bidi@@diagbox@double@ii}{%
9142     \if@RTL
9143         \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}
9144     \else
9145         \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
9146     \fi
9147 }
9148 \newcommand*\bidi@@diagbox@double@iii}{%
9149     \if@RTL
9150         \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
9151     \else
9152         \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
9153     \fi
9154 }
9155 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
9156     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
9157 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{}%
9158 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
9159     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
9160 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{}%
9161 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
9162     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
9163 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{}%
9164 \newcommand*\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
9165     \if@RTL
9166         \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}
9167     \else
9168         \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}

```



```

9169 \fi}
9170 \newcommand*{\bidi@diagbox@triple@setbox@NW@tabular@iii}{%
9171 \if@RTL
9172 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
9173 \else
9174 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
9175 \fi}
9176 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
9177 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
9178 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
9179 }{\bidi@diagbox@triple@setbox@SE@tabular@i}{-}{-}
9180 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
9181 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
9182 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
9183 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
9184 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
9185 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
9186 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@i}{%
9187 \if@RTL
9188 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
9189 \else
9190 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
9191 \fi
9192 }
9193 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{%
9194 \if@RTL
9195 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
9196 \else
9197 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
9198 \fi
9199 }
9200 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
9201 \bidi@patchcmd{\diagbox@double@pict@SE}{%
9202 \diagbox@setlinecolor
9203 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
9204 }{%
9205 {\diagbox@setlinecolor
9206 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
9207 }{}{}
9208 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
9209 \bidi@patchcmd{\diagbox@double@pict@NE}{%
9210 \diagbox@setlinecolor
9211 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
9212 }{%
9213 {\diagbox@setlinecolor
9214 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
9215 }{}{}
9216 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
9217 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
9218 \diagbox@setlinecolor
9219 \Line(0,\yy)(\x,0)
9220 \Line(\xm,\y)(\x,0)%
9221 }{%
9222 {\diagbox@setlinecolor

```



```

9223 \Line(0,\yym)(\x,0)
9224 \Line(\xm,\y)(\x,0)}%
9225 }{}{}
9226 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
9227 \diagbox@setlinecolor
9228 \Line(0,0)(\xxm,\y)
9229 \Line(0,0)(\x,\yym)%
9230 }{%
9231 {\diagbox@setlinecolor
9232 \Line(0,0)(\xxm,\y)
9233 \Line(0,0)(\x,\yym)}%
9234 }{}{}
9235 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
9236 \diagbox@setlinecolor
9237 \Line(0,\ym)(\x,\y)
9238 \Line(\xm,0)(\x,\y)%
9239 }{%
9240 {\diagbox@setlinecolor
9241 \Line(0,\ym)(\x,\y)
9242 \Line(\xm,0)(\x,\y)}%
9243 }{}{}
9244 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
9245 \diagbox@setlinecolor
9246 \Line(0,\y)(\xxm,0)
9247 \Line(0,\y)(\x,\ym)%
9248 }{%
9249 {\diagbox@setlinecolor
9250 \Line(0,\y)(\xxm,0)
9251 \Line(0,\y)(\x,\ym)}%
9252 }{}{}

```

60 File draftwatermark-xetex-bidi.def

```

9253 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
9254 \renewcommand\SetWatermarkText[1]{%
9255 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

61 File eso-pic-xetex-bidi.def

```

9256 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
9257 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
9258 \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
9259
9260 \ESO@isMEMOIR{%
9261 \renewcommand\AtTextUpperLeft[1]{%
9262 \begingroup
9263 \ifodd\c@page
9264 \if@RTLmain
9265 \ESO@tempdima=\paperwidth
9266 \advance\ESO@tempdima-\textwidth
9267 \advance\ESO@tempdima-\spinemargin
9268 \else
9269 \ESO@tempdima=\spinemargin
9270 \fi

```



```

9271 \else
9272 \if@RTLmain
9273 \ESO@tempdima=\spinemargin
9274 \else
9275 \ESO@tempdima=\paperwidth
9276 \advance\ESO@tempdima-\textwidth
9277 \advance\ESO@tempdima-\spinemargin
9278 \fi
9279 \fi
9280 \ESO@tempdimb=-\uppermargin
9281 \AtPageUpperLeft{%
9282 \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
9283 }%
9284 \endgroup
9285 }
9286 }{%
9287 \renewcommand\AtTextUpperLeft[1]{%
9288 \begingroup
9289 \ESO@tempdima=1in\relax
9290 \if@twoside
9291 \ifodd\c@page
9292 \if@RTLmain
9293 \advance\ESO@tempdima\evensidemargin
9294 \else
9295 \advance\ESO@tempdima\oddsidemargin
9296 \fi
9297 \else
9298 \if@RTLmain
9299 \advance\ESO@tempdima\oddsidemargin
9300 \else
9301 \advance\ESO@tempdima\evensidemargin
9302 \fi
9303 \fi
9304 \else
9305 \advance\ESO@tempdima\oddsidemargin
9306 \fi
9307 \ESO@tempdimb=-1in\relax
9308 \advance\ESO@tempdimb-\topmargin
9309 \advance\ESO@tempdimb-\headheight
9310 \advance\ESO@tempdimb-\headsep
9311 \AtPageUpperLeft{%
9312 \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
9313 }%
9314 \endgroup
9315 }
9316 }

```

62 File empheq-xetex-bidi.def

```

9317 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
9318 \MHInternalSyntaxOn
9319 \def\EQ_tag_plus_endmark:{%
9320 \iftagsleft@
9321 \gdef\maketag@@@#1{%

```



```

9322 \hfuzz\displaywidth
9323 \if@RTL\makebox[\widthof{##1}][r]{%
9324 \hbox to \displaywidth{\m@th\normalfont##1\hss
9325 \raisebox{-\dp\EQ_mathdisplay_box
9326 -\depthof{\EQ_outerbox:}}{
9327 {\PotEndMark{\hss}}}}
9328 \else\makebox[\widthof{##1}][l]{%
9329 \hbox to \displaywidth{\m@th\normalfont##1\hss
9330 \raisebox{-\dp\EQ_mathdisplay_box
9331 -\depthof{\EQ_outerbox:}}{
9332 {\PotEndMark{\hss}}}}\fi}%
9333 \MH_else:
9334 \gdef\maketag@@@##1{%
9335 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
9336 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
9337 \MH_addtolength:dn \@tempdima
9338 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
9339 \setlength{\@tempdimb}
9340 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
9341 +\depthof{\EQ_innerbox:}}}}
9342 \MH_if_dim:w \@tempdima>\@tempdimb
9343 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
9344 -\@tempdima+\g_EQ_bottomrow_depth_dim}
9345 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
9346 \def\EQ_next:{\raisebox{\@tempdima}}%
9347 \MH_else:
9348 \def\EQ_next:{
9349 \raisebox{-\dp\EQ_mathdisplay_box
9350 -\depthof{\EQ_outerbox:}}}%
9351 \MH_fi:\EQ_next:}}}%
9352 \MH_fi:}
9353 \def\EQ_post_process:{%
9354 \EQ_initialize:
9355 \EQ_begin_equation:
9356 \MH_if_boolean:nT {outer_mult}{
9357 \setkeys{\MT_options_name:}{
9358 firstline-afterskip=Opt,
9359 lastline-preskip=Opt,
9360 multlined-width=Opt,
9361 }
9362 \ifodd \l_EQ_alignmentmode_int
9363 \setkeys{\MT_options_name:}{multlined-pos=b}
9364 \MH_else:
9365 \setkeys{\MT_options_name:}{multlined-pos=t}
9366 \MH_fi:
9367 \g@addto@macro\EQ_complete_mathdisplay:{
9368 \begin{MTmultlined}\relax}
9369 }
9370 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
9371 \MH_if_boolean:nT {outer_mult}{
9372 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
9373 }
9374 \EQ_end_equation:
9375 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}

```



```

9376 \savecounters@
9377 \EQ_typeset_tags:
9378 \edef\l_EQ_equation_fint{\number\c@equation}
9379 \restorecounters@
9380 \Hy@linkcounter=\EQ_hyperref_link_fint
9381 \settowidth\l_EQ_totalwidth_dim{%
9382   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
9383 \MH_if_boolean:nTF {outer_mult}
9384   { \def\EQ_next:{_mult} }
9385   { \def\EQ_next:{} }
9386 \@nameuse{EQ_modify_linewidth_
9387   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
9388 \EQ_typeset_display:
9389 \@nameuse{EQ_find_displaywidth_
9390   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
9391 \MH_addtolength:dn
9392   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
9393 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
9394   $\EQ_left_side:
9395   \EQ_innerbox:{%
9396     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
9397     \makebox[\l_EQ_displaywidth_dim][c]
9398     {\usebox{\EQ_mathdisplay_box}}}%
9399   \MH_or:
9400     \makebox[\l_EQ_displaywidth_dim][c]
9401     {\usebox{\EQ_mathdisplay_box}}}%
9402   \MH_or:
9403     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
9404       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9405       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9406       \kern-\@mathmargin
9407       \MH_fi:
9408       \MH_fi:
9409       \usebox{\EQ_mathdisplay_box}}%
9410     \else\makebox[\l_EQ_displaywidth_dim][l]{%
9411       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9412       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9413       \kern-\@mathmargin
9414       \MH_fi:
9415       \MH_fi:
9416       \usebox{\EQ_mathdisplay_box}}\fi%
9417   \MH_or:
9418     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
9419       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9420       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9421       \kern-\@mathmargin
9422       \MH_fi:
9423       \MH_fi:
9424       \usebox{\EQ_mathdisplay_box}}
9425     \else\makebox[\l_EQ_displaywidth_dim][l]{%
9426       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9427       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9428       \kern-\@mathmargin
9429       \MH_fi:

```



```

9430         \MH_fi:
9431         \usebox{\EQ_mathdisplay_box}}\fi%
9432     \MH_fi:}%
9433     \EQ_right_side:$}%
9434     \begin{AmSequation*}
9435     \@nameuse{EQ_place_display_
9436         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
9437     \MH_if_dim:w \g_EQ_widesttag_dim>\z@
9438     \MH_set_boolean_T:n {show_manual_tags}
9439     \MH_if_case:w \l_EQ_alignmentmode_int
9440     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
9441     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
9442     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
9443     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
9444     \MH_fi:
9445     \MH_fi:
9446     \end{AmSequation*}
9447     \global\c@equation=\l_EQ_equation_fint\relax
9448 }
9449 \AtBeginDocument{%
9450     \ifpackageloaded{fancybox}{%
9451         \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
9452         {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
9453         \renewcommand*\shadowbox{%
9454             \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
9455                 \VerbBox\EQ_shadowbox:n}
9456             {\MH_set_boolean_F:n {shadowbox_star}
9457                 \VerbBox\EQ_shadowbox:n}}
9458     \def\EQ_shadowbox:n #1{%
9459         \sbox{\z@}{\fbox{#1}}%
9460         \MH_if_boolean:nTF {shadowbox_star}{
9461             \MH_setlength:dn \@tempdima{\z@}%
9462         }{
9463             \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
9464         }
9465         \raisebox{\@tempdima}{%
9466             \if@RTL\makebox[\z@][r]{%
9467                 \kern\shadowsize \textcolor{shadowcolor}{%
9468                     \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
9469             }%
9470             \else\makebox[\z@][l]{%
9471                 \kern\shadowsize \textcolor{shadowcolor}{%
9472                     \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
9473             }\fi%
9474             \usebox\z@\textcolor{shadowcolor}{%
9475                 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
9476         }{}}%
9477 }
9478 \MHInternalSyntaxOff

```

63 File extarticle-xetex-bidi.def

```

9479 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
9480 \renewcommand*\l@section[2]{%

```



```

9481 \ifnum \c@tocdepth >\z@
9482   \addpenalty\@secpenalty
9483   \addvspace{1.0em \@plus\p@}%
9484   \setlength\@tempdima{1.5em}%
9485   \begingroup
9486     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9487     \parfillskip -\@pnumwidth
9488     \leavevmode \bfseries
9489     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9490     \hskip -\if@RTL\rightskip\else\leftskip\fi
9491     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9492   \endgroup
9493 \fi}
9494 \renewcommand*\l@part[2]{%
9495 \ifnum \c@tocdepth >-2\relax
9496   \addpenalty\@secpenalty
9497   \addvspace{2.25em \@plus\p@}%
9498   \begingroup
9499     \setlength\@tempdima{3em}%
9500     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9501     \parfillskip -\@pnumwidth
9502     {\leavevmode
9503       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9504     \nobreak
9505   \endgroup
9506 \fi}
9507 \def\@part[#1]#2{%
9508   \ifnum \c@secnumdepth >\m@ne
9509     \refstepcounter{part}%
9510     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
9511   \else
9512     \addcontentsline{toc}{part}{#1}%
9513   \fi
9514   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9515     \interlinepenalty \@M
9516     \normalfont
9517     \ifnum \c@secnumdepth >\m@ne
9518       \Large\bfseries \partname~\thepart
9519       \par\nobreak
9520     \fi
9521     \huge \bfseries #2%
9522     \markboth{}{}\par}%
9523   \nobreak
9524   \vskip 3ex
9525   \@afterheading}
9526 \def\@spart#1{%
9527   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9528     \interlinepenalty \@M
9529     \normalfont
9530     \huge \bfseries #1\par}%
9531   \nobreak
9532   \vskip 3ex
9533   \@afterheading}
9534 \renewenvironment{thebibliography}[1]

```




```

9535     {\section*{\refname
9536         \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}}%
9537         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9538         \bidi@thebibliography@font@hook%
9539         \list{\@biblabel{\@arabic\c@enumiv}}%
9540         {\settowidth\labelwidth{\@biblabel{#1}}%
9541         \leftmargin\labelwidth
9542         \advance\leftmargin\labelsep
9543         \@openbib@code
9544         \usecounter{enumiv}%
9545         \let\p@enumiv\@empty
9546         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9547         \sloppy\clubpenalty4000\widowpenalty4000%
9548         \sfcode`. \m}
9549     {\def\@noitemerr
9550         {\@latex@warning{Empty `thebibliography' environment}}}%
9551     \endlist}
9552 \renewcommand\left@footnoterule{%
9553     \kern-3\p@
9554     \hrule\@width.4\columnwidth
9555     \kern2.6\p@}
9556 \renewcommand\right@footnoterule{%
9557     \kern-3\p@
9558     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9559     \kern2.6\p@}
9560     \if@titlepage
9561 \renewcommand\maketitle{\begin{titlepage}%
9562 \let\footnotesize\small
9563 \let\right@footnoterule\relax
9564 \let\left@footnoterule\relax
9565 \let\textwidth\footnoterule\relax
9566 \let \footnote \thanks
9567 \null\vfil
9568 \vskip 60\p@
9569 \begin{center}%
9570     {\LARGE \@title \par}%
9571     \vskip 3em%
9572     {\large
9573         \lineskip .75em%
9574         \begin{tabular}[t]{c}%
9575             \@author
9576             \end{tabular}\par}%
9577         \vskip 1.5em%
9578         {\large \@date \par}%           % Set date in \large size.
9579 \end{center}\par
9580 \@thanks
9581 \vfil\null
9582 \end{titlepage}%
9583 \setcounter{footnote}{0}%
9584 \global\let\thanks\relax
9585 \global\let\maketitle\relax
9586 \global\let\@thanks\@empty
9587 \global\let\@author\@empty
9588 \global\let\@date\@empty

```



```

9589 \global\let\@title\@empty
9590 \global\let\title\relax
9591 \global\let\author\relax
9592 \global\let\date\relax
9593 \global\let\and\relax
9594 }
9595 \else
9596 \renewcommand\maketitle{\par
9597 \begin{group}
9598 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9599 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9600 \long\def\@makefntext##1{\parindent 1em\noindent
9601 \hb@xt@1.8em{%
9602 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9603 \if@twocolumn
9604 \ifnum \col@number=\@ne
9605 \maketitle
9606 \else
9607 \twocolumn[\maketitle]%
9608 \fi
9609 \else
9610 \newpage
9611 \global\@topnum\z@ % Prevents figures from going at top of page.
9612 \maketitle
9613 \fi
9614 \thispagestyle{plain}\@thanks
9615 \end{group}
9616 \setcounter{footnote}{0}%
9617 \global\let\thanks\relax
9618 \global\let\maketitle\relax
9619 \global\let\@maketitle\relax
9620 \global\let\@thanks\@empty
9621 \global\let\@author\@empty
9622 \global\let\@date\@empty
9623 \global\let\@title\@empty
9624 \global\let\title\relax
9625 \global\let\author\relax
9626 \global\let\date\relax
9627 \global\let\and\relax
9628 }
9629 \def\@maketitle{%
9630 \newpage
9631 \null
9632 \vskip 2em%
9633 \begin{center}%
9634 \let \footnote \thanks
9635 {\LARGE \@title \par}%
9636 \vskip 1.5em%
9637 {\large
9638 \lineskip .5em%
9639 \begin{tabular}[t]{c}%
9640 \@author
9641 \end{tabular}\par}%
9642 \vskip 1em%

```



```

9643     {\large \@date}%
9644   \end{center}%
9645   \par
9646   \vskip 1.5em}
9647 \fi
9648 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
9649 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9650 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9651 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

64 File extbook-xetex-bidi.def

```

9652 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
9653   \if@titlepage
9654     \renewcommand\maketitle{\begin{titlepage}%
9655       \let\footnotesize\small
9656       \let\right@footnoterule\relax
9657       \let\left@footnoterule\relax
9658       \let\textwidth@footnoterule\relax
9659       \let \footnote \thanks
9660       \let \LTRfootnote \LTRthanks
9661       \let \RTLfootnote \RTLthanks
9662       \null\vfil
9663       \vskip 60\p@
9664       \begin{center}%
9665         {\LARGE \@title \par}%
9666         \vskip 3em%
9667         {\large
9668           \lineskip .75em%
9669           \begin{tabular}[t]{c}%
9670             \@author
9671             \end{tabular}\par}%
9672         \vskip 1.5em%
9673         {\large \@date \par}%           % Set date in \large size.
9674       \end{center}\par
9675       \@thanks
9676       \vfil\null
9677     \end{titlepage}%
9678     \setcounter{footnote}{0}%
9679     \global\let\thanks\relax
9680     \global\let\LTRthanks\relax
9681     \global\let\RTLthanks\relax
9682     \global\let\maketitle\relax
9683     \global\let\@thanks\@empty
9684     \global\let\@author\@empty
9685     \global\let\@date\@empty
9686     \global\let\@title\@empty
9687     \global\let\title\relax
9688     \global\let\author\relax
9689     \global\let\date\relax
9690     \global\let\and\relax
9691   }
9692 \else
9693 \renewcommand\maketitle{\par

```



```

9694 \begin{group
9695   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9696   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9697   \long\def\@makefntext##1{\parindent 1em\noindent
9698     \hb@xt@1.8em{%
9699       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9700   \if@twocolumn
9701     \ifnum \col@number=\@one
9702       \@maketitle
9703     \else
9704       \twocolumn[\@maketitle]%
9705     \fi
9706   \else
9707     \newpage
9708     \global\@topnum\z@ % Prevents figures from going at top of page.
9709     \@maketitle
9710   \fi
9711   \thispagestyle{plain}\@thanks
9712 \end{group}
9713 \setcounter{footnote}{0}%
9714 \global\let\thanks\relax
9715 \global\let\LTRthanks\relax
9716 \global\let\RTLthanks\relax
9717 \global\let\maketitle\relax
9718 \global\let\@maketitle\relax
9719 \global\let\@thanks\@empty
9720 \global\let\@author\@empty
9721 \global\let\@date\@empty
9722 \global\let\@title\@empty
9723 \global\let\title\relax
9724 \global\let\author\relax
9725 \global\let\date\relax
9726 \global\let\and\relax
9727 }
9728 \def\@maketitle{%
9729   \newpage
9730   \null
9731   \vskip 2em%
9732   \begin{center}%
9733     \let \footnote \thanks
9734     \let \LTRfootnote \LTRthanks
9735     \let \RTLfootnote \RTLthanks
9736     {\LARGE \@title \par}%
9737     \vskip 1.5em%
9738     {\large
9739       \lineskip .5em%
9740       \begin{tabular}[t]{c}%
9741         \@author
9742       \end{tabular}\par}%
9743     \vskip 1em%
9744     {\large \@date}%
9745   \end{center}%
9746   \par
9747   \vskip 1.5em}

```



```

9748 \fi
9749 \renewcommand*\l@part[2]{%
9750   \ifnum \c@tocdepth >-2\relax
9751     \addpenalty{-\@highpenalty}%
9752     \addvspace{2.25em \@plus\p@}%
9753     \begingroup
9754       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9755       \parfillskip -\@pnumwidth
9756       {\leavevmode
9757         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9758       \nobreak
9759       \global\@nobreaktrue
9760       \everypar{\global\@nobreakfalse\everypar{}}%
9761     \endgroup
9762   \fi}
9763 \renewcommand\theequation
9764   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9765 \renewcommand \thefigure
9766   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9767 \renewcommand \thetable
9768   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9769 \renewcommand \thechapter {\@arabic\c@chapter}
9770 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9771 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9772 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
9773 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9774 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9775 \def\@makechapterhead#1{%
9776   \vspace*{50\p@}%
9777   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9778     \ifnum \c@secnumdepth >\m@ne
9779       \if@mainmatter
9780         \huge\bfseries \@chapapp\space \thechapter
9781         \par\nobreak
9782         \vskip 20\p@
9783       \fi
9784     \fi
9785     \interlinepenalty\@M
9786     \Huge \bfseries #1\par\nobreak
9787     \vskip 40\p@
9788   }}
9789
9790 \def\@makeschapterhead#1{%
9791   \vspace*{50\p@}%
9792   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9793     \normalfont
9794     \interlinepenalty\@M
9795     \Huge \bfseries #1\par\nobreak
9796     \vskip 40\p@
9797   }}
9798 \renewcommand\backmatter{%
9799   \if@openright
9800     \cleardoublepage
9801   \else

```



```

9802 \clearpage
9803 \fi
9804 \@mainmatterfalse}
9805 \renewenvironment{thebibliography}[1]
9806 {\chapter*{\bibname
9807 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9808 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9809 \bidi@thebibliography@font@hook%
9810 \list{\@biblabel{\@arabic\c@enumiv}}%
9811 {\settowidth\labelwidth{\@biblabel{#1}}%
9812 \leftmargin\labelwidth
9813 \advance\leftmargin\labelsep
9814 \@openbib@code
9815 \usecounter{enumiv}}%
9816 \let\p@enumiv\@empty
9817 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9818 \sloppy
9819 \clubpenalty4000
9820 \@clubpenalty \clubpenalty
9821 \widowpenalty4000%
9822 \sfcode\.\@m}
9823 {\def\@noitemerr
9824 {\@latex@warning{Empty `thebibliography' environment}}}%
9825 \endlist}

```

65 File extletter-xetex-bidi.def

```

9826 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
9827 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
9828 \thispagestyle{firstpage}%
9829 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
9830 \else % home address
9831 \thispagestyle{empty}%
9832 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
9833 \fromaddress \*[2\parskip]%
9834 \@date \end{tabular}\par}%
9835 \fi
9836 \vspace{2\parskip}%
9837 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
9838 \vspace{2\parskip}%
9839 #1\par\nobreak}
9840 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
9841 \stopbreaks
9842 \noindent
9843 \ifx\@empty\fromaddress\else
9844 \hspace*{\longindentation}\fi
9845 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
9846 \ignorespaces #1\[[6\medskipamount]}%
9847 \ifx\@empty\fromsig
9848 \fromname
9849 \else \fromsig \fi\strut}%
9850 \par}
9851 \renewcommand\left@footnoterule{%
9852 \kern-\p@

```



```

9853 \hrule \@width .4\columnwidth
9854 \kern .6\p@}
9855 \renewcommand\right@footnoterule{%
9856 \kern-\p@
9857 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9858 \kern .6\p@}

```

66 File extrafootnotefeatures-xetex-bidi.def

```

9859 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote feat
9860 \newif\if@bidi@void@footins
9861 \newif\if@bidi@void@mpfootins
9862 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
9863 \if@bidi@csundef\ifHy@hyperfootnotes}{-}{%
9864 \if@bidi@csundef{HLTR@@LTRfootnotetext}{-}{%
9865 \ifHy@hyperfootnotes
9866 \let\@@H@@footnotetext\@footnotetext
9867 \let\@@HLTR@@LTRfootnotetext\@LTRfootnotetext
9868 \let\@@HRTL@@RTLfootnotetext\@RTLfootnotetext
9869 \let\@@H@@mpfootnotetext\@mpfootnotetext
9870 \let\@@HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
9871 \let\@@HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
9872 \fi
9873 }%
9874 }%
9875 }
9876 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
9877 \if@bidi@csundef\ifHy@hyperfootnotes}{-}{%
9878 \if@bidi@csundef{HLTR@@LTRfootnotetext}{-}{%
9879 \ifHy@hyperfootnotes
9880 \let\H@@footnotetext\@footnotetext
9881 \let\@footnotetext\@@H@@footnotetext
9882 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
9883 \let\@LTRfootnotetext\@@HLTR@@LTRfootnotetext
9884 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
9885 \let\@RTLfootnotetext\@@HRTL@@RTLfootnotetext
9886 \let\H@@mpfootnotetext\@mpfootnotetext
9887 \let\@mpfootnotetext\@@H@@mpfootnotetext
9888 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
9889 \let\@mpLTRfootnotetext\@@HLTR@@mpLTRfootnotetext
9890 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
9891 \let\@mpRTLfootnotetext\@@HRTL@@mpRTLfootnotetext
9892 \fi
9893 }%
9894 }%
9895 }
9896 \let\autofootnoterule\relax
9897 \let\rightfootnoterule\relax
9898 \let\leftfootnoterule\relax
9899 \let\textwidthfootnoterule\relax
9900 \let\LRfootnoterule\relax
9901 \def\footnoterule{\kern-3\p@
9902 \hrule \@width \columnwidth \kern 2.6\p@}
9903 \newcommand{\@preamnormalfmt}{%

```



```

9904 \parindent 1em%
9905 \noindent
9906 }
9907 \newcommand{\@normalfootfmt}[1]{%
9908 \@preamnormalfmt
9909 \footfootmark
9910 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
9911 \@finalstrut\strutbox
9912 }
9913 \newcommand{\@normalRTLfootfmt}[1]{%
9914 \@preamnormalfmt
9915 \RTLfootfootmark
9916 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
9917 \@finalstrut\strutbox
9918 }
9919 \newcommand{\@normalLTRfootfmt}[1]{%
9920 \@preamnormalfmt
9921 \LTRfootfootmark
9922 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
9923 \@finalstrut\strutbox
9924 }
9925 \renewcommand{\@footnotetext}[1]{%
9926 \insert\footins{%
9927 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9928 \def\baselinestretch{\m@m@footnote@spacing}%
9929 \reset@font
9930 \foottextfont
9931 \@preamfntext
9932 \hsize\columnwidth
9933 \protected@edef\@currentlabel{%
9934 \csname p@footnote\endcsname\@thefnmark}%
9935 \color@begingroup
9936 \@normalfootfmt{#1}%
9937 \color@endgroup}%
9938 \m@m@mmf@prepare}
9939 \renewcommand{\@RTLfootnotetext}[1]{%
9940 \insert\footins{%
9941 \@RTLtrue%
9942 \def\baselinestretch{\m@m@footnote@spacing}%
9943 \reset@font
9944 \RTLfoottextfont
9945 \@preamfntext
9946 \hsize\columnwidth
9947 \protected@edef\@currentlabel{%
9948 \csname p@footnote\endcsname\@thefnmark}%
9949 \color@begingroup
9950 \@normalRTLfootfmt{#1}%
9951 \color@endgroup}%
9952 \m@m@mmf@prepare}
9953 \renewcommand{\@LTRfootnotetext}[1]{%
9954 \insert\footins{%
9955 \@RTLfalse%
9956 \def\baselinestretch{\m@m@footnote@spacing}%
9957 \reset@font

```




```

9958 \LTRfoottextfont
9959 \@preamfntext
9960 \hsize\columnwidth
9961 \protected@edef\@currentlabel{%
9962 \csname p@footnote\endcsname\@thefnmark}%
9963 \color@begingroup
9964 \@normalLTRfootfmt{#1}%
9965 \color@endgroup}%
9966 \m@mmlf@prepare}
9967 \renewcommand{\@mpfootnotetext}[1]{%
9968 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9969 \unvbox\@mpfootins
9970 \def\baselinestretch{\m@m@footnote@spacing}%
9971 \reset@font%
9972 \foottextfont \hsize\columnwidth \@parboxrestore
9973 \protected@edef\@currentlabel{%
9974 \csname p@mpfootnote\endcsname\@thefnmark}%
9975 \color@begingroup
9976 \@normalfootfmt{#1}%
9977 \color@endgroup}}
9978 \renewcommand{\@mplTRfootnotetext}[1]{%
9979 \global\setbox\@mpfootins\vbox{\@RTLfalse%
9980 \unvbox\@mpfootins
9981 \def\baselinestretch{\m@m@footnote@spacing}%
9982 \reset@font%
9983 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
9984 \protected@edef\@currentlabel{%
9985 \csname p@mpfootnote\endcsname\@thefnmark}%
9986 \color@begingroup
9987 \@normalLTRfootfmt{#1}%
9988 \color@endgroup}}
9989 \renewcommand{\@mpRTLfootnotetext}[1]{%
9990 \global\setbox\@mpfootins\vbox{\@RTLtrue%
9991 \unvbox\@mpfootins
9992 \def\baselinestretch{\m@m@footnote@spacing}%
9993 \reset@font%
9994 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
9995 \protected@edef\@currentlabel{%
9996 \csname p@mpfootnote\endcsname\@thefnmark}%
9997 \color@begingroup
9998 \@normalRTLfootfmt{#1}%
9999 \color@endgroup}}
10000 \let\m@mold@footnotetext\@footnotetext
10001 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
10002 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
10003 \let\m@mold@mpfootnotetext\@mpfootnotetext
10004 \let\m@mold@mplTRfootnotetext\@mplTRfootnotetext
10005 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
10006 \bidi@ensure@newcommand{\normalfootnotes}{%
10007 \@bidi@before@Hy@hyperfootnotes
10008 \let\@footnotetext\m@mold@footnotetext
10009 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
10010 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
10011 \let\@mpfootnotetext\m@mold@mpfootnotetext

```



```

10012 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
10013 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
10014 \@bidi@after@Hy@hyperfootnotes
10015 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10016 }
10017 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
10018 \bidi@ensure@newcommand*\@RTLcolumnfootnotes{\@RTLcolumnfootnotetrue}
10019 \bidi@ensure@newcommand*\@LTRcolumnfootnotes{\@RTLcolumnfootnotetrue}
10020 \bidi@ensure@newcommand*\@setSingleSpace{1}{%
10021 \def\m@m@singleSpace{#1}%
10022 \def\m@m@footnote@spacing{#1}%
10023 \def\m@m@float@spacing{#1} %
10024 }
10025 \setSingleSpace{1}
10026 \bidi@ensure@newcommand*\@multiplefootnotemarker{3sp}
10027 \bidi@ensure@newcommand*\@mmf@prepare{%
10028 \kern-\@multiplefootnotemarker
10029 \kern\@multiplefootnotemarker\relax}
10030 \bidi@ensure@newlength{\footmarkwidth}
10031 \bidi@ensure@newcommand*\@footmarkstyle[1]{\def\footscript##1{#1}}
10032 \bidi@ensure@newcommand*\@LTRfootmarkstyle[1]{\def\LTRfootscript##1{#1}}
10033 \bidi@ensure@newcommand*\@RTLfootmarkstyle[1]{\def\RTLfootscript##1{#1}}
10034 \bidi@ensure@newcommand{\footfootmark}{%
10035 \ifdim\footmarkwidth < \z@
10036 \llap{\hb@xt@ -\footmarkwidth{%
10037 \hss\normalfont\footscript{\@thefnmark}}}%
10038 \hspace*{-\footmarkwidth}}%
10039 \else
10040 \ifdim\footmarkwidth = \z@
10041 {\normalfont\footscript{\@thefnmark}}%
10042 \else
10043 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
10044 \fi
10045 \fi}
10046 \bidi@ensure@newcommand{\LTRfootfootmark}{%
10047 \ifdim\footmarkwidth < \z@
10048 \llap{\hb@xt@ -\footmarkwidth{%
10049 \hss\normalfont\LTRfootscript{\@thefnmark}}}%
10050 \hspace*{-\footmarkwidth}}%
10051 \else
10052 \ifdim\footmarkwidth = \z@
10053 {\normalfont\LTRfootscript{\@thefnmark}}%
10054 \else
10055 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
10056 \fi
10057 \fi}
10058 \bidi@ensure@newcommand{\RTLfootfootmark}{%
10059 \ifdim\footmarkwidth < \z@
10060 \llap{\hb@xt@ -\footmarkwidth{%
10061 \hss\normalfont\RTLfootscript{\@thefnmark}}}%
10062 \hspace*{-\footmarkwidth}}%
10063 \else
10064 \ifdim\footmarkwidth = \z@
10065 {\normalfont\RTLfootscript{\@thefnmark}}%

```



```

10066 \else
10067 \hb@xt@{\footmarkwidth}{\hss\normalfont\RTLfootscript{\@thefnmark}}}%
10068 \fi
10069 \fi}
10070 \footmarkstyle{\textsuperscript{#1}}
10071 \LTRfootmarkstyle{\textsuperscript{#1}}
10072 \RTLfootmarkstyle{\textsuperscript{#1}}
10073 \newcommand*{\bidi@normal@footmarkwidth}{%
10074 \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
10075 }
10076 \newcommand*{\bidi@star@footmarkwidth}{%
10077 \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
10078 }
10079 \bidi@normal@footmarkwidth
10080 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
10081 \bidi@ensure@newcommand*{\extrafeetins}{%
10082 \setbox\@outputbox \vbox{%
10083 \boxmaxdepth \@maxdepth
10084 \unvbox\@outputbox
10085 \ifvoid\footinsv@r
10086 \ifvoid\footinsv@l
10087 \else
10088 \@footstartv@l
10089 \@LTRfootgroupv@l
10090 \fi
10091 \else
10092 \@footstartv@r
10093 \@footgroupv@r
10094 \ifvoid\footinsv@l
10095 \else
10096 \@@footstart@@v@l
10097 \@LTRfootgroupv@l
10098 \fi
10099 \fi
10100 \ifvoid\@bidi@copyins@
10101 \else
10102 \vskip \skip\@bidi@copyins@
10103 \color@begingroup
10104 \normalcolor
10105 \unvbox \@bidi@copyins@
10106 \color@endgroup
10107 \fi
10108 \extrafeetinshook}}
10109 \bidi@ensure@newcommand{\extrafeetinshook}{%}
10110 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
10111 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
10112 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
10113 \bidi@ensure@newlength{\footinsdim}
10114 \setlength{\footinsdim}{8in} % standard for \dimen\footins
10115 \bidi@ensure@newcommand{\@preamfntext}{%
10116 \interlinepenalty\interfootnotelinepenalty
10117 \floatingpenalty \@MM
10118 \splittopskip=\footnotesep
10119 \splitmaxdepth=\dp\strutbox

```



```

10120 \@parboxrestore}
10121 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
10122   \extrafeetminihook}
10123 \bidi@ensure@newcommand{\extrafeetendmini}{%
10124   \ifvoid\@mpfootinsv@r
10125     \ifvoid\@mpfootinsv@l
10126     \else
10127       \vskip\skip\@mpfootins
10128       \normalcolor
10129       \if@bidi@void@@mpfootins
10130         \footnoterule
10131       \fi
10132       \mp@LTRfootgroupv@l
10133     \fi
10134   \else
10135     \vskip\skip\@mpfootins
10136     \normalcolor
10137     \if@bidi@void@@mpfootins
10138       \footnoterule
10139     \fi
10140     \mp@footgroupv@r
10141     \ifvoid\@mpfootinsv@l
10142     \else
10143       \vskip\skip\@mpfootins
10144       \normalcolor\mp@LTRfootgroupv@l
10145     \fi
10146   \fi
10147   \extrafeetendminihook}
10148 \bidi@ensure@newcommand{\extrafeetendminihook}{%}
10149 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
10150 \def\endminipage{%
10151   \par
10152   \unskip
10153   \ifvoid\@mpfootins
10154     \global\@bidi@void@@mpfootinstrue
10155   \else
10156     \global\@bidi@void@@mpfootinsfalse
10157     \vskip\skip\@mpfootins
10158     \normalcolor
10159     \footnoterule
10160     \unvbox\@mpfootins
10161   \fi
10162   \m@mdoextrafeetendmini
10163   \@minipagefalse
10164   \color@endgroup
10165   \egroup
10166   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10167 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
10168   \@namedef{@footstart#1}{%
10169     \bidi@mopfn@bottom
10170     \leftskip=\z@
10171     \rightskip=\z@
10172     \parindent=\z@
10173     \vskip\skip\footins

```



```

10174 \footnoterule}}
10175 \newinsert\footinsv@r
10176 \skip\footinsv@r\bigskipamount
10177 \count\footinsv@r=1000 % no magnification
10178 \dimen\footinsv@r=\footinsdim
10179 \m@make@footstart{v@r}
10180 \newinsert\footinsv@l
10181 \skip\footinsv@l\bigskipamount
10182 \bidi@ensure@newcommand{\@footgroupv@r}{}
10183 \newinsert\@mpfootinsv@r
10184 \newinsert\@mpfootinsv@l
10185 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
10186 \newcount\m@m@k \newdimen\m@m@h
10187 \@ifpackageloaded{multicol}{%
10188 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
10189 \hsize\textwidth
10190 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
10191 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
10192 }{%
10193 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
10194 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
10195 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
10196 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
10197 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
10198 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
10199 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
10200 \setbox2 \vsplit0 to \dimen0
10201 \unvbox2 }
10202 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
10203 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10204 \@bidi@before@Hy@hyperfootnotes
10205 \let\@footnotetext\@twocolfootnotetext
10206 \let\@LTRfootnotetext\@twocolLTRfootnotetext
10207 \let\@RTLfootnotetext\@twocolRTLfootnotetext
10208 \dimen\footinsv@r=2\footinsdim
10209 \count\footinsv@r=500\relax
10210 \m@make@twocol@footgroup{v@r}%
10211 \let\@footgroupv@r\@twocol@footgroupv@r
10212 \let\@mpfootnotetext\@mptwocolfootnotetext
10213 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
10214 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
10215 \@bidi@after@Hy@hyperfootnotes
10216 \m@make@mptwocol@footgroup{v@r}%
10217 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
10218 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10219 }
10220 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
10221 \def\baselinestretch{\m@m@footnote@spacing}%
10222 \reset@font\foottextfont
10223 \@preamfntext
10224 \protected@edef\@currentlabel{%
10225 \csname p@footnote\endcsname\@thefnmark}%
10226 \color@begingroup
10227 \@twocolfootfmt{#1}%

```



```

10228 \color@endgroup}%
10229 \m@mmf@prepare}
10230 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
10231 \def\baselinestretch{\m@m@footnote@spacing}%
10232 \reset@font\LTRfoottextfont
10233 \@preamfntext
10234 \protected@edef\@currentlabel{%
10235 \csname p@footnote\endcsname\@thefnmark}%
10236 \color@begingroup
10237 \@twocolLTRfootfmt{#1}%
10238 \color@endgroup}%
10239 \m@mmf@prepare}
10240 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10241 \def\baselinestretch{\m@m@footnote@spacing}%
10242 \reset@font\RTLfoottextfont
10243 \@preamfntext
10244 \protected@edef\@currentlabel{%
10245 \csname p@footnote\endcsname\@thefnmark}%
10246 \color@begingroup
10247 \@twocolRTLfootfmt{#1}%
10248 \color@endgroup}%
10249 \m@mmf@prepare}
10250 \bidi@ensure@newcommand{\@preamtwofmt}{%
10251 \hspace{.45\hspace}
10252 \parindent=\z@
10253 \tolerance=5000\relax
10254 \leavevmode}
10255 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
10256 \@preamtwofmt
10257 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10258 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
10259 \@preamtwofmt
10260 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10261 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
10262 \@preamtwofmt
10263 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10264 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
10265 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10266 \unvbox\@mpfootinsv@r
10267 \def\baselinestretch{\m@m@footnote@spacing}%
10268 \reset@font\foottextfont
10269 \hspace\columnwidth \@parboxrestore
10270 \protected@edef\@currentlabel{%
10271 \csname p@mpfootnote\endcsname\@thefnmark}%
10272 \color@begingroup
10273 \@twocolfootfmt{#1}%
10274 \color@endgroup}%
10275 \m@mmf@prepare}
10276 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
10277 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10278 \unvbox\@mpfootinsv@r
10279 \def\baselinestretch{\m@m@footnote@spacing}%
10280 \reset@font\LTRfoottextfont
10281 \hspace\columnwidth \@parboxrestore

```



```

10282 \if@RTLcolumnfootnotes\beginL\fi
10283 \protected@edef\@currentlabel{%
10284 \csname p@mpfootnote\endcsname\@thefnmark}%
10285 \color@begingroup
10286 \@twocolLTRfootfmt{#1}%
10287 \color@endgroup}%
10288 \m@mmlf@prepare}
10289 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
10290 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10291 \unvbox\@mpfootinsv@r
10292 \def\baselinestretch{\m@m@footnote@spacing}%
10293 \reset@font\RTLfoottextfont
10294 \hsize\columnwidth \@parboxrestore
10295 \protected@edef\@currentlabel{%
10296 \csname p@mpfootnote\endcsname\@thefnmark}%
10297 \color@begingroup
10298 \@twocolRTLfootfmt{#1}%
10299 \color@endgroup}%
10300 \m@mmlf@prepare}
10301 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
10302 \@namedef{\@twocol@footgroup#1}{%
10303 \def\baselinestretch{\m@m@footnote@spacing}%
10304 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10305 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
10306 \bidi@ensure@newcommand{\m@make@emptwocol@footgroup}[1]{%
10307 \@namedef{\@mptwocol@footgroup#1}{%
10308 \def\baselinestretch{\m@m@footnote@spacing}%
10309 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10310 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{\tw@}{\splittopskip}}}%
10311 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
10312 \@namedef{foottextfontv@r}{\foottextfont}% \quad [RS]
10313 \@bidi@before@Hy@hyperfootnotes
10314 \let\@footnotetext\@threecolfootnotetext
10315 \let\@LTRfootnotetext\@threecolLTRfootnotetext
10316 \let\@RTLfootnotetext\@threecolRTLfootnotetext
10317 \dimen\footinsv@r=3\footinsdim
10318 \count\footinsv@r=333\relax
10319 \m@make@threecol@footgroup{v@r}%
10320 \let\@footgroupv@r\@threecol@footgroupv@r
10321 \let\@mpfootnotetext\@mpthreecolfootnotetext
10322 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
10323 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
10324 \@bidi@after@Hy@hyperfootnotes
10325 \m@make@mpthreecol@footgroup{v@r}%
10326 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
10327 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10328 }
10329 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
10330 \def\baselinestretch{\m@m@footnote@spacing}%
10331 \reset@font\foottextfont
10332 \preamfntext
10333 \protected@edef\@currentlabel{%
10334 \csname p@footnote\endcsname\@thefnmark}%
10335 \color@begingroup

```



```

10336 \threecolfootfmt{#1}%
10337 \color@endgroup}\m@mmf@prepare}
10338 \bidi@ensure@newcommand{\threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
10339 \def\baselinestretch{\m@m@footnote@spacing}%
10340 \reset@font\LTRfoottextfont
10341 \@preamfntext
10342 \protected@edef\@currentlabel{%
10343 \csname p@footnote\endcsname\@thefnmark}%
10344 \color@begingroup
10345 \threecolLTRfootfmt{#1}%
10346 \color@endgroup}\m@mmf@prepare}
10347 \bidi@ensure@newcommand{\threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10348 \def\baselinestretch{\m@m@footnote@spacing}%
10349 \reset@font\RTLfoottextfont
10350 \@preamfntext
10351 \protected@edef\@currentlabel{%
10352 \csname p@footnote\endcsname\@thefnmark}%
10353 \color@begingroup
10354 \threecolRTLfootfmt{#1}%
10355 \color@endgroup}\m@mmf@prepare}
10356 \bidi@ensure@newcommand{\@preamthreefmt}{%
10357 \hspace{.3\hspace}
10358 \parindent=\z@
10359 \tolerance=5000\relax
10360 \leavevmode}
10361 \bidi@ensure@newcommand{\threecolfootfmt}[1]{%
10362 \@preamthreefmt
10363 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10364 \bidi@ensure@newcommand{\threecolLTRfootfmt}[1]{%
10365 \@preamthreefmt
10366 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10367 \bidi@ensure@newcommand{\threecolRTLfootfmt}[1]{%
10368 \@preamthreefmt
10369 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10370 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
10371 \global\setbox\@mpfootinsv@r\vbox{\if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
10372 \unvbox\@mpfootinsv@r
10373 \def\baselinestretch{\m@m@footnote@spacing}%
10374 \reset@font\foottextfont
10375 \hspace\columnwidth \@parboxrestore
10376 \protected@edef\@currentlabel{%
10377 \csname p@mpfootnote\endcsname\@thefnmark}%
10378 \color@begingroup
10379 \threecolfootfmt{#1}%
10380 \color@endgroup}\m@mmf@prepare}
10381 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
10382 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10383 \unvbox\@mpfootinsv@r
10384 \def\baselinestretch{\m@m@footnote@spacing}%
10385 \reset@font\LTRfoottextfont
10386 \hspace\columnwidth \@parboxrestore
10387 \if@RTLcolumnfootnotes\beginL\fi
10388 \protected@edef\@currentlabel{%
10389 \csname p@mpfootnote\endcsname\@thefnmark}%

```




```

10390 \color@begingroup
10391 \@threecolLTRfootfmt{#1}%
10392 \color@endgroup}\m@mmf@prepare}
10393 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
10394 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10395 \unvbox\@mpfootinsv@r
10396 \def\baselinestretch{\m@m@footnote@spacing}%
10397 \reset@font\RTLfoottextfont
10398 \hsize\columnwidth \@parboxrestore
10399 \protected@edef\@currentlabel{%
10400 \csname p@mpfootnote\endcsname\@thefnmark}%
10401 \color@begingroup
10402 \@threecolRTLfootfmt{#1}%
10403 \color@endgroup}\m@mmf@prepare}
10404 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
10405 \@namedef{\@threecol@footgroup#1}{%
10406 \def\baselinestretch{\m@m@footnote@spacing}%
10407 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10408 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
10409 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
10410 \@namedef{\@mpthreecol@footgroup#1}{%
10411 \def\baselinestretch{\m@m@footnote@spacing}%
10412 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10413 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@}{\splittopskip}}}%
10414 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
10415 \@namedef{foottextfontv@r}{\foottextfont}% \[RS]
10416 \@bidi@before@Hy@hyperfootnotes
10417 \let\@footnotetext\@fourcolfootnotetext
10418 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
10419 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
10420 \dimen\footinsv@r=4\footinsdim
10421 \count\footinsv@r=250\relax
10422 \m@make@fourcol@footgroup{v@r}%
10423 \let\@footgroupv@r\@fourcol@footgroupv@r
10424 \let\@mpfootnotetext\@mpfourcolfootnotetext
10425 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
10426 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
10427 \@bidi@after@Hy@hyperfootnotes
10428 \m@make@mpfourcol@footgroup{v@r}%
10429 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
10430 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10431 }
10432 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
10433 \def\baselinestretch{\m@m@footnote@spacing}%
10434 \reset@font\foottextfont
10435 \@preamfntext
10436 \protected@edef\@currentlabel{%
10437 \csname p@footnote\endcsname\@thefnmark}%
10438 \color@begingroup
10439 \@fourcolfootfmt{#1}%
10440 \color@endgroup}%
10441 \m@mmf@prepare}
10442 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
10443 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

10444 \reset@font\LTRfoottextfont
10445 \@preamfntext
10446 \protected@edef\@currentlabel{%
10447   \csname p@footnote\endcsname\@thefnmark}%
10448 \color@begingroup
10449   \@fourcolLTRfootfmt{#1}%
10450 \color@endgroup}%
10451 \m@mmf@prepare}
10452 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10453   \def\baselinestretch{\m@m@footnote@spacing}%
10454   \reset@font\RTLfoottextfont
10455   \@preamfntext
10456   \protected@edef\@currentlabel{%
10457     \csname p@footnote\endcsname\@thefnmark}%
10458   \color@begingroup
10459     \@fourcolRTLfootfmt{#1}%
10460   \color@endgroup}%
10461   \m@mmf@prepare}
10462 \bidi@ensure@newcommand{\@preamfourfmt}{%
10463   \hsize .25\hsize
10464   \parindent=\z@
10465   \tolerance=5000\relax
10466   \leavevmode}
10467 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
10468   \@preamfourfmt
10469   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10470 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
10471   \@preamfourfmt
10472   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10473 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
10474   \@preamfourfmt
10475   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10476 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
10477   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10478     \unvbox\@mpfootinsv@r
10479     \def\baselinestretch{\m@m@footnote@spacing}%
10480     \reset@font\foottextfont
10481     \hsize\columnwidth \@parboxrestore
10482     \protected@edef\@currentlabel{%
10483       \csname p@mpfootnote\endcsname\@thefnmark}%
10484     \color@begingroup
10485       \@fourcolfootfmt{#1}%
10486     \color@endgroup}%
10487     \m@mmf@prepare}
10488 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
10489   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10490     \unvbox\@mpfootinsv@r
10491     \def\baselinestretch{\m@m@footnote@spacing}%
10492     \reset@font\LTRfoottextfont
10493     \hsize\columnwidth \@parboxrestore
10494     \if@RTLcolumnfootnotes\beginL\fi
10495     \protected@edef\@currentlabel{%
10496       \csname p@mpfootnote\endcsname\@thefnmark}%
10497     \color@begingroup

```



```

10498 \fourcolLTRfootfmt{#1}%
10499 \color@endgroup}%
10500 \m@mmf@prepare}
10501 \bidi@ensure@newcommand{\mpfourcolRTLfootnotetext}[1]{%
10502 \global\setbox\mpfootinsv@r\vbox{\RTLtrue%
10503 \unvbox\mpfootinsv@r
10504 \def\baselinestretch{\m@m@footnote@spacing}%
10505 \reset@font\RTLfoottextfont
10506 \hsize\columnwidth \parboxrestore
10507 \protected@edef\@currentlabel{%
10508 \csname p@mpfootnote\endcsname\@thefnmark}%
10509 \color@begingroup
10510 \fourcolRTLfootfmt{#1}%
10511 \color@endgroup}%
10512 \m@mmf@prepare}
10513 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
10514 \@namedef{fourcol@footgroup#1}{%
10515 \def\baselinestretch{\m@m@footnote@spacing}%
10516 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10517 \m@r@rigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}}%
10518 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
10519 \@namedef{mpfourcol@footgroup#1}{%
10520 \def\baselinestretch{\m@m@footnote@spacing}%
10521 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10522 \m@r@rigidbalance{\nameuse{mpfootins#1}}{4}{\splittopskip}}}%
10523 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
10524 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10525 \@bidi@before@Hy@hyperfootnotes
10526 \let\@footnotetext\@fivecolfootnotetext
10527 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
10528 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
10529 \dimen\footinsv@r=5\footinsdim
10530 \count\footinsv@r=200\relax
10531 \m@make@fivecol@footgroup{v@r}%
10532 \let\@footgroupv@r\@fivecol@footgroupv@r
10533 \let\mpfootnotetext\mpfivecolfootnotetext
10534 \let\mpLTRfootnotetext\mpfivecolLTRfootnotetext
10535 \let\mpRTLfootnotetext\mpfivecolRTLfootnotetext
10536 \@bidi@after@Hy@hyperfootnotes
10537 \m@make@mpfivecol@footgroup{v@r}%
10538 \let\mp@footgroupv@r\mpfivecol@footgroupv@r
10539 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10540 }
10541 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
10542 \def\baselinestretch{\m@m@footnote@spacing}%
10543 \reset@font\foottextfont
10544 \@preamfntext
10545 \protected@edef\@currentlabel{%
10546 \csname p@footnote\endcsname\@thefnmark}%
10547 \color@begingroup
10548 \fivecolfootfmt{#1}%
10549 \color@endgroup}%
10550 \m@mmf@prepare}
10551 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot

```



```

10552 \def\baselinestretch{\m@m@footnote@spacing}%
10553 \reset@font\LTRfoottextfont
10554 \@preamfntext
10555 \protected@edef\@currentlabel{%
10556   \csname p@footnote\endcsname\@thefnmark}%
10557 \color@begingroup
10558   \@fivecolLTRfootfmt{#1}%
10559 \color@endgroup}%
10560 \m@m@mmf@prepare}
10561 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10562   \def\baselinestretch{\m@m@footnote@spacing}%
10563   \reset@font\RTLfoottextfont
10564   \@preamfntext
10565   \protected@edef\@currentlabel{%
10566     \csname p@footnote\endcsname\@thefnmark}%
10567   \color@begingroup
10568     \@fivecolRTLfootfmt{#1}%
10569   \color@endgroup}%
10570   \m@m@mmf@prepare}
10571 \bidi@ensure@newcommand{\@preamfivefmt}{%
10572   \hspace{.2\hspace}
10573   \parindent=\z@
10574   \tolerance=5000\relax
10575   \leavevmode}
10576 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
10577   \@preamfivefmt
10578   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10579 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
10580   \@preamfivefmt
10581   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10582 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
10583   \@preamfivefmt
10584   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10585 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
10586   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10587     \unvbox\@mpfootinsv@r
10588     \def\baselinestretch{\m@m@footnote@spacing}%
10589     \reset@font\foottextfont
10590     \hspace\columnwidth \@parboxrestore
10591     \protected@edef\@currentlabel{%
10592       \csname p@mpfootnote\endcsname\@thefnmark}%
10593     \color@begingroup
10594       \@fivecolfootfmt{#1}%
10595     \color@endgroup}%
10596     \m@m@mmf@prepare}
10597 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
10598   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10599     \unvbox\@mpfootinsv@r
10600     \def\baselinestretch{\m@m@footnote@spacing}%
10601     \reset@font\LTRfoottextfont
10602     \hspace\columnwidth \@parboxrestore
10603     \if@RTLcolumnfootnotes\beginLfi
10604     \protected@edef\@currentlabel{%
10605       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

10606 \color@begingroup
10607 \@fivecolLTRfootfmt{#1}%
10608 \color@endgroup}%
10609 \m@mmf@prepare}
10610 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
10611 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10612 \unvbox\@mpfootinsv@r
10613 \def\baselinestretch{\m@m@footnote@spacing}%
10614 \reset@font\RTLfoottextfont
10615 \hsize\columnwidth \@parboxrestore
10616 \protected@edef\@currentlabel{%
10617 \csname p@mpfootnote\endcsname\@thefnmark}%
10618 \color@begingroup
10619 \@fivecolRTLfootfmt{#1}%
10620 \color@endgroup}%
10621 \m@mmf@prepare}
10622 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
10623 \@namedef{\@fivecol@footgroup#1}{%
10624 \def\baselinestretch{\m@m@footnote@spacing}%
10625 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10626 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
10627 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
10628 \@namedef{\@mpfivecol@footgroup#1}{%
10629 \def\baselinestretch{\m@m@footnote@spacing}%
10630 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10631 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{5}{\splittopskip}}}}
10632 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
10633 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10634 \@bidi@before@Hy@hyperfootnotes
10635 \let\@footnotetext\@sixcolfootnotetext
10636 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
10637 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
10638 \dimen\footinsv@r=6\footinsdim
10639 \count\footinsv@r=166\relax
10640 \m@make@sixcol@footgroup{v@r}%
10641 \let\@footgroupv@r\@sixcol@footgroupv@r
10642 \let\@mpfootnotetext\@mpsixcolfootnotetext
10643 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
10644 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
10645 \@bidi@after@Hy@hyperfootnotes
10646 \m@make@mpsixcol@footgroup{v@r}%
10647 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
10648 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10649 }
10650 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
10651 \def\baselinestretch{\m@m@footnote@spacing}%
10652 \reset@font\foottextfont
10653 \@preamfntext
10654 \protected@edef\@currentlabel{%
10655 \csname p@footnote\endcsname\@thefnmark}%
10656 \color@begingroup
10657 \@sixcolfootfmt{#1}%
10658 \color@endgroup}%
10659 \m@mmf@prepare}

```



```

10660 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\ifRTLcolumnfootnote
10661 \def\baselinestretch{\m@m@footnote@spacing}%
10662 \reset@font\LTRfoottextfont
10663 \@preamfntext
10664 \protected@edef\@currentlabel{%
10665 \csname p@footnote\endcsname\@thefnmark}%
10666 \color@begingroup
10667 \@sixcolLTRfootfmt{#1}%
10668 \color@endgroup}%
10669 \m@m@mmf@prepare}
10670 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10671 \def\baselinestretch{\m@m@footnote@spacing}%
10672 \reset@font\RTLfoottextfont
10673 \@preamfntext
10674 \protected@edef\@currentlabel{%
10675 \csname p@footnote\endcsname\@thefnmark}%
10676 \color@begingroup
10677 \@sixcolRTLfootfmt{#1}%
10678 \color@endgroup}%
10679 \m@m@mmf@prepare}
10680 \bidi@ensure@newcommand{\@preamsixfmt}{%
10681 \hspace{.16\hspace}
10682 \parindent=\z@
10683 \tolerance=5000\relax
10684 \leavevmode}
10685 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
10686 \@preamsixfmt
10687 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10688 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
10689 \@preamsixfmt
10690 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10691 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
10692 \@preamsixfmt
10693 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10694 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\ifRTL@footnote\@RTLtrue\else\@RTLfalse%
10695 \global\setbox\@mpfootinsv@r\vbox{%
10696 \unvbox\@mpfootinsv@r
10697 \def\baselinestretch{\m@m@footnote@spacing}%
10698 \reset@font\foottextfont
10699 \hspace\columnwidth \@parboxrestore
10700 \protected@edef\@currentlabel{%
10701 \csname p@mpfootnote\endcsname\@thefnmark}%
10702 \color@begingroup
10703 \@sixcolfootfmt{#1}%
10704 \color@endgroup}%
10705 \m@m@mmf@prepare}
10706 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
10707 \global\setbox\@mpfootinsv@r\vbox{%
10708 \unvbox\@mpfootinsv@r
10709 \def\baselinestretch{\m@m@footnote@spacing}%
10710 \reset@font\LTRfoottextfont
10711 \hspace\columnwidth \@parboxrestore
10712 \ifRTLcolumnfootnotes\beginLfi
10713 \protected@edef\@currentlabel{%

```



```

10714 \csname p@mpfootnote\endcsname\@thefnmark}%
10715 \color@begingroup
10716 \@sixcolLTRfootfmt{#1}%
10717 \color@endgroup}%
10718 \m@mmf@prepare}
10719 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
10720 \global\setbox\@mpfootinsv@r\vbox{%
10721 \unvbox\@mpfootinsv@r
10722 \def\baselinestretch{\m@m@footnote@spacing}%
10723 \reset@font\RTLfoottextfont
10724 \hsize\columnwidth \@parboxrestore
10725 \protected@edef\@currentlabel{%
10726 \csname p@mpfootnote\endcsname\@thefnmark}%
10727 \color@begingroup
10728 \@sixcolRTLfootfmt{#1}%
10729 \color@endgroup}%
10730 \m@mmf@prepare}
10731 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
10732 \@namedef{\@sixcol@footgroup#1}{%
10733 \def\baselinestretch{\m@m@footnote@spacing}%
10734 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10735 \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
10736 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
10737 \@namedef{\@mpsixcol@footgroup#1}{%
10738 \def\baselinestretch{\m@m@footnote@spacing}%
10739 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10740 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
10741 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
10742 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10743 \@bidi@before@Hy@hyperfootnotes
10744 \let\@footnotetext\@sevendcolfootnotetext
10745 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
10746 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
10747 \dimen\footinsv@r=7\footinsdim
10748 \count\footinsv@r=142\relax
10749 \m@make@sevendcol@footgroup{v@r}%
10750 \let\@footgroupv@r\@sevendcol@footgroupv@r
10751 \let\@mpfootnotetext\@mpsevendcolfootnotetext
10752 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
10753 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
10754 \@bidi@after@Hy@hyperfootnotes
10755 \m@make@mpsevendcol@footgroup{v@r}%
10756 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
10757 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10758 }
10759 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
10760 \def\baselinestretch{\m@m@footnote@spacing}%
10761 \reset@font\foottextfont
10762 \@preamfntext
10763 \protected@edef\@currentlabel{%
10764 \csname p@footnote\endcsname\@thefnmark}%
10765 \color@begingroup
10766 \@sevendcolfootfmt{#1}%
10767 \color@endgroup}%

```




```

10768 \m@mmf@prepare}
10769 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
10770 \def\baselinestretch{\m@m@footnote@spacing}%
10771 \reset@font\LTRfoottextfont
10772 \@preamfntext
10773 \protected@edef\@currentlabel{%
10774 \csname p@footnote\endcsname\@thefnmark}%
10775 \color@begingroup
10776 \@sevendcolLTRfootfmt{#1}%
10777 \color@endgroup}%
10778 \m@mmf@prepare}
10779 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10780 \def\baselinestretch{\m@m@footnote@spacing}%
10781 \reset@font\RTLfoottextfont
10782 \@preamfntext
10783 \protected@edef\@currentlabel{%
10784 \csname p@footnote\endcsname\@thefnmark}%
10785 \color@begingroup
10786 \@sevendcolRTLfootfmt{#1}%
10787 \color@endgroup}%
10788 \m@mmf@prepare}
10789 \bidi@ensure@newcommand{\@preamsevenfmt}{%
10790 \hspace{.142\hspace}
10791 \parindent=\z@
10792 \tolerance=5000\relax
10793 \leavevmode}
10794 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
10795 \@preamsevenfmt
10796 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10797 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
10798 \@preamsevenfmt
10799 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10800 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
10801 \@preamsevenfmt
10802 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10803 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
10804 \global\setbox\@mpfootinsv@r\vbox{%
10805 \unvbox\@mpfootinsv@r
10806 \def\baselinestretch{\m@m@footnote@spacing}%
10807 \reset@font\foottextfont
10808 \hspace\columnwidth \@parboxrestore
10809 \protected@edef\@currentlabel{%
10810 \csname p@mpfootnote\endcsname\@thefnmark}%
10811 \color@begingroup
10812 \@sevendcolfootfmt{#1}%
10813 \color@endgroup}%
10814 \m@mmf@prepare}
10815 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
10816 \global\setbox\@mpfootinsv@r\vbox{%
10817 \unvbox\@mpfootinsv@r
10818 \def\baselinestretch{\m@m@footnote@spacing}%
10819 \reset@font\LTRfoottextfont
10820 \hspace\columnwidth \@parboxrestore
10821 \if@RTLcolumnfootnotes\beginL\fi

```




```

10822 \protected@edef\@currentlabel{%
10823 \csname p@mpfootnote\endcsname\@thefnmark}%
10824 \color@begingroup
10825 \sevenscolLTRfootfmt{#1}%
10826 \color@endgroup}%
10827 \m@mmf@prepare}
10828 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
10829 \global\setbox\@mpfootinsv@r\vbox{%
10830 \unvbox\@mpfootinsv@r
10831 \def\baselinestretch{\m@m@footnote@spacing}%
10832 \reset@font\RTLfoottextfont
10833 \hsize\columnwidth \parboxrestore
10834 \protected@edef\@currentlabel{%
10835 \csname p@mpfootnote\endcsname\@thefnmark}%
10836 \color@begingroup
10837 \sevenscolRTLfootfmt{#1}%
10838 \color@endgroup}%
10839 \m@mmf@prepare}
10840 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
10841 \@namedef{\sevenscol@footgroup#1}{%
10842 \def\baselinestretch{\m@m@footnote@spacing}%
10843 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10844 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
10845 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
10846 \@namedef{\@mpsevenscol@footgroup#1}{%
10847 \def\baselinestretch{\m@m@footnote@spacing}%
10848 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10849 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{7}{\splittopskip}}}%
10850 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
10851 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10852 \@bidi@before@Hy@hyperfootnotes
10853 \let\@footnotetext\@eightcolfootnotetext
10854 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
10855 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
10856 \dimen\footinsv@r=8\footinsdim
10857 \count\footinsv@r=125\relax
10858 \m@make@eightcol@footgroup{v@r}%
10859 \let\@footgroupv@r\@eightcol@footgroupv@r
10860 \let\@mpfootnotetext\@mpeightcolfootnotetext
10861 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
10862 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
10863 \@bidi@after@Hy@hyperfootnotes
10864 \m@make@mpeightcol@footgroup{v@r}%
10865 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
10866 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10867 }
10868 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
10869 \def\baselinestretch{\m@m@footnote@spacing}%
10870 \reset@font\foottextfont
10871 \preamfntext
10872 \protected@edef\@currentlabel{%
10873 \csname p@footnote\endcsname\@thefnmark}%
10874 \color@begingroup
10875 \eightcolfootfmt{#1}%

```



```

10876 \color@endgroup}%
10877 \m@mmf@prepare}
10878 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
10879 \def\baselinestretch{\m@m@footnote@spacing}%
10880 \reset@font\LTRfoottextfont
10881 \@preamfntext
10882 \protected@edef\@currentlabel{%
10883 \csname p@footnote\endcsname\@thefnmark}%
10884 \color@begingroup
10885 \@eightcolLTRfootfmt{#1}%
10886 \color@endgroup}%
10887 \m@mmf@prepare}
10888 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10889 \def\baselinestretch{\m@m@footnote@spacing}%
10890 \reset@font\RTLfoottextfont
10891 \@preamfntext
10892 \protected@edef\@currentlabel{%
10893 \csname p@footnote\endcsname\@thefnmark}%
10894 \color@begingroup
10895 \@eightcolRTLfootfmt{#1}%
10896 \color@endgroup}%
10897 \m@mmf@prepare}
10898 \bidi@ensure@newcommand{\@preameightfmt}{%
10899 \hspace{.125\hsize}
10900 \parindent=\z@
10901 \tolerance=5000\relax
10902 \leavevmode}
10903 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
10904 \@preameightfmt
10905 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10906 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
10907 \@preameightfmt
10908 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10909 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
10910 \@preameightfmt
10911 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10912 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
10913 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10914 \unvbox\@mpfootinsv@r
10915 \def\baselinestretch{\m@m@footnote@spacing}%
10916 \reset@font\foottextfont
10917 \hspace\columnwidth \@parboxrestore
10918 \protected@edef\@currentlabel{%
10919 \csname p@mpfootnote\endcsname\@thefnmark}%
10920 \color@begingroup
10921 \@eightcolfootfmt{#1}%
10922 \color@endgroup}%
10923 \m@mmf@prepare}
10924 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
10925 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10926 \unvbox\@mpfootinsv@r
10927 \def\baselinestretch{\m@m@footnote@spacing}%
10928 \reset@font\LTRfoottextfont
10929 \hspace\columnwidth \@parboxrestore

```



```

10930 \if@RTLcolumnfootnotes\beginL\fi
10931 \protected@edef\@currentlabel{%
10932 \csname p@mpfootnote\endcsname\@thefnmark}%
10933 \color@begingroup
10934 \@eightcolLTRfootfmt{#1}%
10935 \color@endgroup}%
10936 \m@mfmf@prepare}
10937 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
10938 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10939 \unvbox\@mpfootinsv@r
10940 \def\baselinestretch{\m@m@footnote@spacing}%
10941 \reset@font\RTLfoottextfont
10942 \hsize\columnwidth \@parboxrestore
10943 \protected@edef\@currentlabel{%
10944 \csname p@mpfootnote\endcsname\@thefnmark}%
10945 \color@begingroup
10946 \@eightcolRTLfootfmt{#1}%
10947 \color@endgroup}%
10948 \m@mfmf@prepare}
10949 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
10950 \@namedef{\@eightcol@footgroup#1}{%
10951 \def\baselinestretch{\m@m@footnote@spacing}%
10952 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10953 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
10954 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
10955 \@namedef{\mpeightcol@footgroup#1}{%
10956 \def\baselinestretch{\m@m@footnote@spacing}%
10957 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10958 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{8}{\splittopskip}}}%
10959 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
10960 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10961 \@bidi@before@Hy@hyperfootnotes
10962 \let\@footnotetext\@ninecolfootnotetext
10963 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
10964 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
10965 \dimen\footinsv@r=9\footinsdim
10966 \count\footinsv@r=111\relax
10967 \m@make@ninecol@footgroup{v@r}%
10968 \let\@footgroupv@r\@ninecol@footgroupv@r
10969 \let\@mpfootnotetext\@mpninecolfootnotetext
10970 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
10971 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
10972 \@bidi@after@Hy@hyperfootnotes
10973 \m@make@mpninecol@footgroup{v@r}%
10974 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
10975 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10976 }
10977 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
10978 \def\baselinestretch{\m@m@footnote@spacing}%
10979 \reset@font\foottextfont
10980 \@preamfntext
10981 \protected@edef\@currentlabel{%
10982 \csname p@footnote\endcsname\@thefnmark}%
10983 \color@begingroup

```



```

10984 \@ninecolfootfmt{#1}%
10985 \color@endgroup}%
10986 \m@mmf@prepare}
10987 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
10988 \def\baselinestretch{\m@m@footnote@spacing}%
10989 \reset@font\LTRfoottextfont
10990 \@preamfntext
10991 \protected@edef\@currentlabel{%
10992 \csname p@footnote\endcsname\@thefnmark}%
10993 \color@begingroup
10994 \@ninecolLTRfootfmt{#1}%
10995 \color@endgroup}%
10996 \m@mmf@prepare}
10997 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10998 \def\baselinestretch{\m@m@footnote@spacing}%
10999 \reset@font\RTLfoottextfont
11000 \@preamfntext
11001 \protected@edef\@currentlabel{%
11002 \csname p@footnote\endcsname\@thefnmark}%
11003 \color@begingroup
11004 \@ninecolRTLfootfmt{#1}%
11005 \color@endgroup}%
11006 \m@mmf@prepare}
11007 \bidi@ensure@newcommand{\@preamninefmt}{%
11008 \hspace .1\hspace
11009 \parindent=\z@
11010 \tolerance=5000\relax
11011 \leavevmode}
11012 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
11013 \@preamninefmt
11014 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11015 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
11016 \@preamninefmt
11017 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11018 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
11019 \@preamninefmt
11020 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11021 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
11022 \global\setbox\@mpfootinsv@r\vbox{\if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
11023 \unvbox\@mpfootinsv@r
11024 \def\baselinestretch{\m@m@footnote@spacing}%
11025 \reset@font\foottextfont
11026 \hspace\columnwidth \@parboxrestore
11027 \protected@edef\@currentlabel{%
11028 \csname p@mpfootnote\endcsname\@thefnmark}%
11029 \color@begingroup
11030 \@ninecolfootfmt{#1}%
11031 \color@endgroup}%
11032 \m@mmf@prepare}
11033 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
11034 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11035 \unvbox\@mpfootinsv@r
11036 \def\baselinestretch{\m@m@footnote@spacing}%
11037 \reset@font\LTRfoottextfont

```



```

11038 \hsize\columnwidth \@parboxrestore
11039 \if@RTLcolumnfootnotes\beginL\fi
11040 \protected@edef\@currentlabel{%
11041 \csname p@mpfootnote\endcsname\@thefnmark}%
11042 \color@begingroup
11043 \@ninecolLTRfootfmt{#1}%
11044 \color@endgroup}%
11045 \m@mmlf@prepare}
11046 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
11047 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11048 \unvbox\@mpfootinsv@r
11049 \def\baselinestretch{\m@m@footnote@spacing}%
11050 \reset@font\RTLfoottextfont
11051 \hsize\columnwidth \@parboxrestore
11052 \protected@edef\@currentlabel{%
11053 \csname p@mpfootnote\endcsname\@thefnmark}%
11054 \color@begingroup
11055 \@ninecolRTLfootfmt{#1}%
11056 \color@endgroup}%
11057 \m@mmlf@prepare}
11058 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
11059 \@namedef{\@ninecol@footgroup#1}{%
11060 \def\baselinestretch{\m@m@footnote@spacing}%
11061 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11062 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
11063 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
11064 \@namedef{\@mpninecol@footgroup#1}{%
11065 \def\baselinestretch{\m@m@footnote@spacing}%
11066 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11067 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}%
11068 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
11069 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11070 \@bidi@before@Hy@hyperfootnotes
11071 \let\@footnotetext\@tencolfootnotetext
11072 \let\@LTRfootnotetext\@tencolLTRfootnotetext
11073 \let\@RTLfootnotetext\@tencolRTLfootnotetext
11074 \dimen\footinsv@r=10\footinsdim
11075 \count\footinsv@r=100\relax
11076 \m@make@tencol@footgroup{v@r}%
11077 \let\@footgroupv@r\@tencol@footgroupv@r
11078 \let\@mpfootnotetext\@mptencolfootnotetext
11079 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
11080 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
11081 \@bidi@after@Hy@hyperfootnotes
11082 \m@make@mptencol@footgroup{v@r}%
11083 \let\mp@footgroupv@r\@mptencol@footgroupv@r
11084 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11085 }
11086 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
11087 \def\baselinestretch{\m@m@footnote@spacing}%
11088 \reset@font\foottextfont
11089 \@preamfntext
11090 \protected@edef\@currentlabel{%
11091 \csname p@footnote\endcsname\@thefnmark}%

```



```

11092 \color@begingroup
11093 \tencolfootfmt{#1}%
11094 \color@endgroup}%
11095 \m@mmf@prepare}
11096 \bidi@ensure@newcommand{\tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
11097 \def\baselinestretch{\m@m@footnote@spacing}%
11098 \reset@font\LTRfoottextfont
11099 \@preamfntext
11100 \protected@edef\@currentlabel{%
11101 \csname p@footnote\endcsname\@thefnmark}%
11102 \color@begingroup
11103 \tencolLTRfootfmt{#1}%
11104 \color@endgroup}%
11105 \m@mmf@prepare}
11106 \bidi@ensure@newcommand{\tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11107 \def\baselinestretch{\m@m@footnote@spacing}%
11108 \reset@font\RTLfoottextfont
11109 \@preamfntext
11110 \protected@edef\@currentlabel{%
11111 \csname p@footnote\endcsname\@thefnmark}%
11112 \color@begingroup
11113 \tencolRTLfootfmt{#1}%
11114 \color@endgroup}%
11115 \m@mmf@prepare}
11116 \bidi@ensure@newcommand{\@preamtenfmt}{%
11117 \hspace{.1\hsize}
11118 \parindent=\z@
11119 \tolerance=5000\relax
11120 \leavevmode}
11121 \bidi@ensure@newcommand{\tencolfootfmt}[1]{%
11122 \@preamtenfmt
11123 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11124 \bidi@ensure@newcommand{\tencolLTRfootfmt}[1]{%
11125 \@preamtenfmt
11126 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11127 \bidi@ensure@newcommand{\tencolRTLfootfmt}[1]{%
11128 \@preamtenfmt
11129 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11130 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
11131 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11132 \unvbox\@mpfootinsv@r
11133 \def\baselinestretch{\m@m@footnote@spacing}%
11134 \reset@font\foottextfont
11135 \hspace\columnwidth \@parboxrestore
11136 \protected@edef\@currentlabel{%
11137 \csname p@mpfootnote\endcsname\@thefnmark}%
11138 \color@begingroup
11139 \tencolfootfmt{#1}%
11140 \color@endgroup}%
11141 \m@mmf@prepare}
11142 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
11143 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11144 \unvbox\@mpfootinsv@r
11145 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

11146 \reset@font\LTRfoottextfont
11147 \hsize\columnwidth \@parboxrestore
11148 \if@RTLcolumnfootnotes\beginL\fi
11149 \protected@edef\@currentlabel{%
11150 \csname p@mpfootnote\endcsname\@thefnmark}%
11151 \color@begingroup
11152 \@tencolLTRfootfmt{#1}%
11153 \color@endgroup}%
11154 \m@mmf@prepare}
11155 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
11156 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11157 \unvbox\@mpfootinsv@r
11158 \def\baselinestretch{\m@m@footnote@spacing}%
11159 \reset@font\RTLfoottextfont
11160 \hsize\columnwidth \@parboxrestore
11161 \protected@edef\@currentlabel{%
11162 \csname p@mpfootnote\endcsname\@thefnmark}%
11163 \color@begingroup
11164 \@tencolRTLfootfmt{#1}%
11165 \color@endgroup}%
11166 \m@mmf@prepare}
11167 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
11168 \@namedef{\@tencol@footgroup#1}{%
11169 \def\baselinestretch{\m@m@footnote@spacing}%
11170 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11171 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
11172 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
11173 \@namedef{\@mptencol@footgroup#1}{%
11174 \def\baselinestretch{\m@m@footnote@spacing}%
11175 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11176 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{10}{\splittopskip}}}%
11177 \bidi@ensure@newcommand{\m@munvxh}[1]{%
11178 \setbox0=\vbox{\unvbox#1%
11179 \global\setbox1=\lastbox}%
11180 \unhbox1
11181 \unskip
11182 \unskip
11183 \unpenalty
11184 \hskip\m@mipn@skip}
11185 \bidi@ensure@newcommand{\m@mungebox}{%
11186 \setbox0=\hbox{\m@munvxh0}%
11187 \dp0=\z@
11188 \ht0=\footfudgefactor\wd0
11189 \box0
11190 \penalty0}
11191 \newskip\m@mipn@skip
11192 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
11193 {\foottextfont\global\m@mipn@skip=#1\relax}}
11194 \m@minterparanoteglua{1em plus.4em minus.4em}
11195 \@ifpackageloaded{multicol}{%
11196 \bidi@ensure@newcommand*{\m@makehboxofhboxes}{%
11197 \hsize\textwidth%
11198 \setbox0=\hbox{}%
11199 \loop

```



```

11200 \unpenalty
11201 \setbox2=\lastbox
11202 \ifhbox2
11203 \setbox0=\hbox{\box2\unhbox0}
11204 \repeat}
11205 }{%
11206 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
11207 \setbox0=\hbox{}%
11208 \loop
11209 \unpenalty
11210 \setbox2=\lastbox
11211 \ifhbox2
11212 \setbox0=\hbox{\box2\unhbox0}
11213 \repeat}}
11214 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
11215 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
11216 \newcommand*{\AddExtraParaSkip[1]}{%
11217 \if@bidi@csdef{footfudgefactor}{%
11218 \PackageError{bidi}{%
11219 The control sequence `string\AddExtraParaSkip`
11220 must be used before the control sequence
11221 `string\paragraphfootnotes' in the preamble%
11222 }\@ehc
11223 }{%
11224 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
11225 }%
11226 }
11227 \bidi@ensure@newcommand{\paragraphfootnotes}{%
11228 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11229 \@bidi@before@Hy@hyperfootnotes
11230 \let\@footnotetext\@parafootnotetext
11231 \let\@LTRfootnotetext\@paraLTRfootnotetext
11232 \let\@RTLfootnotetext\@paraRTLfootnotetext
11233 \dimen\footinsv@r=\footinsdim
11234 \count\footinsv@r=1000\relax
11235 \m@make@para@footgroup{v@r}%
11236 \m@make@para@footstart{v@r}%
11237 \let\@footgroupv@r\@para@footgroupv@r
11238 \let\@footstartv@r\@para@footstartv@r
11239 \dimen\footinsv@l=\footinsdim
11240 \count\footinsv@l=1000\relax
11241 \bidi@make@para@LTRfootgroup{v@l}%
11242 \m@make@para@footstart{v@l}%
11243 \bidi@make@para@footstart@{v@l}%
11244 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
11245 \let\@footstartv@l\@para@footstartv@l
11246 \let\@footstart@v@l\@para@footstart@v@l
11247 \let\@mpfootnotetext\@mpparafootnotetext
11248 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
11249 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
11250 \@bidi@after@Hy@hyperfootnotes
11251 \m@make@mppara@footgroup{v@r}%
11252 \bidi@make@mppara@LTRfootgroup{v@l}%
11253 \let\mp@footgroupv@r\@mppara@footgroupv@r

```




```

11254 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
11255 \begingroup
11256 \def\baselinestretch{\m@m@footnote@spacing}%
11257 \foottextfont
11258 \@tempdima\footnotesep
11259 \advance\@tempdima -\ht\strutbox
11260 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
11261 \advance\@tempdima.5\normalbaselineskip
11262 \bidi@xparaskip
11263 \xdef\bidi@paraskip{\the\@tempdima\relax}%
11264 \ifdim\skip\footinsv@r>\bigskipamount
11265 \else
11266 \global\advance\skip\footinsv@r\bidi@paraskip
11267 \fi
11268 \ifdim\skip\footinsv@l>\bigskipamount
11269 \else
11270 \global\advance\skip\footinsv@l\bidi@paraskip
11271 \fi
11272 \@tempdima\normalbaselineskip
11273 \multiply \@tempdima \ccclvi
11274 \@tempdimb \columnwidth
11275 \divide \@tempdimb \ccclvi
11276 \divide \@tempdima \@tempdimb
11277 \xdef\footfudgefactor{\strip@pt\@tempdima}%
11278 \endgroup
11279 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11280 }
11281 \newcommand{\normalRTLparaLTRfootnotes}{%
11282 \@namedef{foottextfontv@r}{\foottextfont}%
11283 \@bidi@before@Hy@hyperfootnotes
11284 \if@RTL@footnote
11285 \let\@footnotetext\m@mold@footnotetext
11286 \else
11287 \let\@footnotetext\@parafootnotetext
11288 \fi
11289 \let\@LTRfootnotetext\@paraLTRfootnotetext
11290 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11291 \dimen\footinsv@r=\footinsdim
11292 \count\footinsv@r=1000\relax
11293 \m@make@para@footgroup{v@r}%
11294 \m@make@para@footstart{v@r}%
11295 \let\@footgroupv@r\@para@footgroupv@r
11296 \let\@footstartv@r\@para@footstartv@r
11297 \dimen\footinsv@l=\footinsdim
11298 \count\footinsv@l=1000\relax
11299 \bidi@make@para@LTRfootgroup{v@l}%
11300 \m@make@para@footstart{v@l}%
11301 \bidi@make@para@footstart@@{v@l}%
11302 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
11303 \let\@footstartv@l\@para@footstartv@l
11304 \let\@@footstart@@v@l\@@para@footstart@@v@l
11305 \if@RTL@footnote
11306 \let\@mpfootnotetext\m@mold@mpfootnotetext
11307 \else

```



```

11308 \let\@mpfootnotetext\@mpparafootnotetext
11309 \fi
11310 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
11311 \let\@mpRTLfootnotetext\m@mold\@mpRTLfootnotetext
11312 \@bidi@after@Hy@hyperfootnotes
11313 \m@make@mppara@footgroup{v@r}%
11314 \bidi@make@mppara@LTRfootgroup{v@l}%
11315 \let\mp@footgroupv@r\@mppara@footgroupv@r
11316 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
11317 \begingroup
11318 \def\baselinestretch{\m@m@footnote@spacing}%
11319 \foottextfont
11320 \@tempdima\footnotesep
11321 \advance\@tempdima -\ht\strutbox
11322 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
11323 \advance\@tempdima.5\normalbaselineskip
11324 \bidi@xparaskip
11325 \xdef\bidi@paraskip{\the\@tempdima\relax}%
11326 \ifdim\skip\footinsv@r>\bigskipamount
11327 \else
11328 \global\advance\skip\footinsv@r\bidi@paraskip
11329 \fi
11330 \ifdim\skip\footinsv@l>\bigskipamount
11331 \else
11332 \global\advance\skip\footinsv@l\bidi@paraskip
11333 \fi
11334 \@tempdima\normalbaselineskip
11335 \multiply \@tempdima \@cclvi
11336 \@tempdimb \columnwidth
11337 \divide \@tempdimb \@cclvi
11338 \divide \@tempdima \@tempdimb
11339 \xdef\footfudgefactor{\strip@pt\@tempdima}%
11340 \endgroup
11341 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11342 }
11343 \let\bidi@xparaskip\relax
11344 \@onlypreamble\AddExtraParaSkip
11345 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
11346 \if@RTL@footnote
11347 \footinsv@r
11348 \else
11349 \footinsv@l
11350 \fi
11351 {%
11352 \let\bidi@RTL@everypar\@empty%
11353 \def\baselinestretch{\m@m@footnote@spacing}%
11354 \reset@font\foottextfont
11355 \@preamfntext
11356 \protected@edef\@currentlabel{%
11357 \csname p@footnote\endcsname\@thefnmark}%
11358 \setbox0=\vbox{\hsize=\maxdimen
11359 \color@begingroup
11360 \noindent \@parafootfmt{#1}%
11361 \color@endgroup}%

```



```

11362 \m@mungebox}\m@mmf@prepare}
11363 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
11364 \let\bidi@RTL@everypar\@empty%
11365 \def\baselinestretch{\m@m@footnote@spacing}%
11366 \reset@font\LTRfoottextfont
11367 \@preamfntext
11368 \protected@edef\@currentlabel{%
11369 \csname p@footnote\endcsname\@thefnmark}%
11370 \setbox0=\vbox{\hsize=\maxdimen
11371 \color@begingroup
11372 \noindent \@paraLTRfootfmt{#1}%
11373 \color@endgroup}%
11374 \m@mungebox}\m@mmf@prepare}
11375 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
11376 \let\bidi@RTL@everypar\@empty%
11377 \def\baselinestretch{\m@m@footnote@spacing}%
11378 \reset@font\RTLfoottextfont
11379 \@preamfntext
11380 \protected@edef\@currentlabel{%
11381 \csname p@footnote\endcsname\@thefnmark}%
11382 \setbox0=\vbox{\hsize=\maxdimen
11383 \color@begingroup
11384 \noindent \@paraRTLfootfmt{#1}%
11385 \color@endgroup}%
11386 \m@mungebox}\m@mmf@prepare}
11387 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
11388 \parindent=\z@
11389 \parfillskip=0pt \@plus 1fil
11390 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
11391 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
11392 \parindent=\z@
11393 \parfillskip=0pt \@plus 1fil
11394 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
11395 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
11396 \parindent=\z@
11397 \parfillskip=0pt \@plus 1fil
11398 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
11399 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
11400 \global\setbox
11401 \if@RTL@footnote
11402 \@mpfootinsv@r
11403 \else
11404 \@mpfootinsv@l
11405 \fi
11406 \vbox{%
11407 \let\bidi@RTL@everypar\@empty%
11408 \def\baselinestretch{\m@m@footnote@spacing}%
11409 \unvbox
11410 \if@RTL@footnote
11411 \@mpfootinsv@r
11412 \else
11413 \@mpfootinsv@l
11414 \fi
11415 \reset@font\foottextfont

```



```

11416 \hsize\columnwidth \@parboxrestore
11417 \protected@edef\@currentlabel{%
11418 \csname p@mpfootnote\endcsname\@thefnmark}%
11419 \setbox0=\vbox{\hsize=\maxdimen
11420 \color@begingroup
11421 \noindent \@parafootfmt{#1}%
11422 \color@endgroup}%
11423 \m@mungebox}\m@mmf@prepare}
11424 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
11425 \global\setbox\@mpfootinsv@l\vbox{%
11426 \let\bidi@RTL@everypar\@empty%
11427 \def\baselinestretch{\m@m@footnote@spacing}%
11428 \unvbox\@mpfootinsv@l
11429 \reset@font\LTRfoottextfont
11430 \hsize\columnwidth \@parboxrestore
11431 \protected@edef\@currentlabel{%
11432 \csname p@mpfootnote\endcsname\@thefnmark}%
11433 \setbox0=\vbox{\hsize=\maxdimen
11434 \color@begingroup
11435 \noindent \@paraLTRfootfmt{#1}%
11436 \color@endgroup}%
11437 \m@mungebox}\m@mmf@prepare}
11438 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
11439 \global\setbox\@mpfootinsv@r\vbox{%
11440 \let\bidi@RTL@everypar\@empty%
11441 \def\baselinestretch{\m@m@footnote@spacing}%
11442 \unvbox\@mpfootinsv@r
11443 \reset@font\RTLfoottextfont
11444 \hsize\columnwidth \@parboxrestore
11445 \protected@edef\@currentlabel{%
11446 \csname p@mpfootnote\endcsname\@thefnmark}%
11447 \setbox0=\vbox{\hsize=\maxdimen
11448 \color@begingroup
11449 \noindent \@paraRTLfootfmt{#1}%
11450 \color@endgroup}%
11451 \m@mungebox}\m@mmf@prepare}
11452 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
11453 \@namedef{@para@footgroup#1}{%
11454 \unvbox\@nameuse{footins#1}
11455 \@RTLtrue
11456 \m@mmakehboxofhboxes
11457 \setbox0=\hbox{\unhbox0 \m@removehboxes}%
11458 \@parboxrestore%
11459 \def\baselinestretch{\m@m@footnote@spacing}%
11460 \@nameuse{foottextfont#1}%
11461 \noindent\unhbox0\par}}
11462 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
11463 \@namedef{@para@LTRfootgroup#1}{%
11464 \unvbox\@nameuse{footins#1}
11465 \@RTLfalse
11466 \m@mmakehboxofhboxes
11467 \setbox0=\hbox{\unhbox0 \m@removehboxes}%
11468 \@parboxrestore%
11469 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

11470 \@nameuse{foottextfont#1}%
11471 \noindent\unhbox0\par}}
11472 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
11473 \@namedef{@mppara@footgroup#1}{%
11474 \unvbox\@nameuse{@mpfootins#1}
11475 \@RTLtrue
11476 \m@mmakehboxofhboxes
11477 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
11478 \def\baselinestretch{\m@m@footnote@spacing}%
11479 \@nameuse{foottextfont#1}%
11480 \noindent\unhbox0\par}}
11481 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
11482 \@namedef{@mppara@LTRfootgroup#1}{%
11483 \unvbox\@nameuse{@mpfootins#1}
11484 \@RTLfalse
11485 \m@mmakehboxofhboxes
11486 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
11487 \def\baselinestretch{\m@m@footnote@spacing}%
11488 \@nameuse{foottextfont#1}%
11489 \noindent\unhbox0\par}}
11490 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
11491 \@namedef{@para@footstart#1}{%
11492 \if@bidi@void@footins
11493 \bidi@mopfn@bottom
11494 \fi
11495 \leftskip=\z@
11496 \rightskip=\z@
11497 \parindent=\z@
11498 \vskip\skip\footins
11499 \if@bidi@void@footins
11500 \footnoterule
11501 \fi}}
11502 \bidi@ensure@newcommand{\bidi@make@para@footstart@@}[1]{%
11503 \@namedef{@@para@footstart@@#1}{%
11504 \leftskip=\z@
11505 \rightskip=\z@
11506 \parindent=\z@
11507 \vskip\skip\footins}}
11508 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
11509 \xdef\@freelist{\@freelist\@midlist}%
11510 \global\let\@midlist\@empty
11511 \@combinefloats}
11512 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
11513 \ifvbox\@kludgeins
11514 \@makespecialcolbox
11515 \else
11516 \setbox\@outputbox \vbox to\@colht{%
11517 \@texttop
11518 \dimen@ \dp\@outputbox
11519 \unvbox \@outputbox
11520 \vskip -\dimen@
11521 \@textbottom}%
11522 \fi}
11523 \bidi@ensure@newcommand*{\m@m@makecolintro}{%

```



```

11524 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
11525   \boxmaxdepth\@maxdepth
11526   \@tempdima\dp\@cclv
11527   \unvbox\@cclv
11528   \vskip-\@tempdima
11529   \bidi@mopfn@bottom
11530   \vskip \skip\footins
11531   \color@begingroup
11532     \normalcolor
11533     \footnoterule
11534     \unvbox \footins
11535   \color@endgroup
11536   }%
11537 }
11538 \newcommand*{\bidi@mopfootnotebf}{%
11539   \setbox\@outputbox \vbox{%
11540     \boxmaxdepth\@maxdepth
11541     \unvbox\@outputbox
11542     \bidi@mopfn@bottom
11543     \vskip\skip\footins
11544     \color@begingroup
11545       \normalcolor
11546       \footnoterule
11547       \unvbox \footins
11548     \color@endgroup
11549     }%
11550 }
11551 \gdef\mem@makecol{%
11552   \m@m@makecolintro
11553   \ifvoid\footins
11554     \global\@bidi@void@footinstrue
11555     \setbox\@outputbox \box\@cclv
11556   \else
11557     \global\@bidi@void@footinsfalse
11558     \m@mopfootnote
11559   \fi
11560   \m@mdoextrafeet
11561   \m@m@makecolfloats
11562   \m@m@makecoltext
11563   \global \maxdepth \@maxdepth}
11564 \gdef\bidi@makecolbf{%
11565   \m@m@makecolintro
11566   \setbox\@outputbox \box\@cclv
11567   \m@m@makecolfloats
11568   \ifvoid\footins
11569     \global\@bidi@void@footinstrue
11570   \else
11571     \global\@bidi@void@footinsfalse
11572     \bidi@mopfootnotebf
11573   \fi
11574   \m@mdoextrafeet
11575   \m@m@makecoltext
11576   \global \maxdepth \@maxdepth}
11577 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}

```



```

11578 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
11579 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
11580 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
11581 \FeetAboveFloat
11582 \FeetBelowRagged

```

67 File extreport-xetex-bidi.def

```

11583 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
11584 \renewcommand*\l@part[2]{%
11585   \ifnum \c@tocdepth >-2\relax
11586     \addpenalty{-\@highpenalty}%
11587     \advspace{2.25em \@plus\p}%
11588     \begingroup
11589       \setlength\@tempdima{3em}%
11590       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11591       \parfillskip -\@pnumwidth
11592       {\leavevmode
11593         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11594         \nobreak
11595         \global\@nobreaktrue
11596         \everypar{\global\@nobreakfalse\everypar{}}%
11597       \endgroup
11598   \fi}
11599 \renewcommand*\l@chapter[2]{%
11600   \ifnum \c@tocdepth >\m@ne
11601     \addpenalty{-\@highpenalty}%
11602     \vskip 1.0em \@plus\p@
11603     \setlength\@tempdima{1.5em}%
11604     \begingroup
11605       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11606       \parfillskip -\@pnumwidth
11607       \leavevmode \bfseries
11608       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11609       \hskip -\if@RTL\rightskip\else\leftskip\fi
11610       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11611       \penalty\@highpenalty
11612     \endgroup
11613   \fi}
11614 \def\@makechapterhead#1{%
11615   \vspace*{50\p@}%
11616   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11617     \ifnum \c@secnumdepth >\m@ne
11618       \huge\bfseries \@chapapp\space \thechapter
11619       \par\nobreak
11620       \vskip 20\p@
11621     \fi
11622     \interlinepenalty\@M
11623     \Huge \bfseries #1\par\nobreak
11624     \vskip 40\p@
11625   }}
11626 \def\@makeschapterhead#1{%
11627   \vspace*{50\p@}%
11628   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi

```



```

11629 \normalfont
11630 \interlinepenalty\@M
11631 \Huge \bfseries #1\par\nobreak
11632 \vskip 40\p@
11633 }}
11634 \renewcommand\left@footnoterule{%
11635 \kern-3\p@
11636 \hrule\@width.4\columnwidth
11637 \kern2.6\p@}
11638 \renewcommand\right@footnoterule{%
11639 \kern-3\p@
11640 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11641 \kern2.6\p@}
11642 \renewenvironment{thebibliography}[1]
11643 {\chapter*{\bibname
11644 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
11645 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
11646 \bidi@thebibliography@font@hook%
11647 \list{\@biblabel{\@arabic\c@enumiv}}%
11648 {\settowidth\labelwidth{\@biblabel{#1}}%
11649 \leftmargin\labelwidth
11650 \advance\leftmargin\labelsep
11651 \@openbib@code
11652 \usecounter{enumiv}%
11653 \let\p@enumiv\@empty
11654 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11655 \sloppy\clubpenalty4000\widowpenalty4000%
11656 \sfcode\.\@m}
11657 {\def\@noitemerr
11658 {\@latex@warning{Empty `thebibliography' environment}}}%
11659 \endlist}
11660 \if@titlepage
11661 \renewcommand\maketitle{\begin{titlepage}%
11662 \let\footnotesize\small
11663 \let\right@footnoterule\relax
11664 \let\left@footnoterule\relax
11665 \let\textwidth\footnoterule\relax
11666 \let \footnote \thanks
11667 \null\vfil
11668 \vskip 60\p@
11669 \begin{center}%
11670 {\LARGE \@title \par}%
11671 \vskip 3em%
11672 {\large
11673 \lineskip .75em%
11674 \begin{tabular}[t]{c}%
11675 \@author
11676 \end{tabular}\par}%
11677 \vskip 1.5em%
11678 {\large \@date \par}% % Set date in \large size.
11679 \end{center}\par
11680 \@thanks
11681 \vfil\null
11682 \end{titlepage}%

```




```

11683 \setcounter{footnote}{0}%
11684 \global\let\thanks\relax
11685 \global\let\maketitle\relax
11686 \global\let\@thanks\@empty
11687 \global\let\@author\@empty
11688 \global\let\@date\@empty
11689 \global\let\@title\@empty
11690 \global\let\title\relax
11691 \global\let\author\relax
11692 \global\let\date\relax
11693 \global\let\and\relax
11694 }
11695 \else
11696 \renewcommand\maketitle{\par
11697 \begin{group}
11698 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11699 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11700 \long\def\@makefntext##1{\parindent 1em\noindent
11701 \hspace{1.8em}%
11702 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11703 \if@twocolumn
11704 \ifnum \col@number=\@ne
11705 \@maketitle
11706 \else
11707 \twocolumn[\@maketitle]%
11708 \fi
11709 \else
11710 \newpage
11711 \global\@topnum\z@ % Prevents figures from going at top of page.
11712 \@maketitle
11713 \fi
11714 \thispagestyle{plain}\@thanks
11715 \endgroup
11716 \setcounter{footnote}{0}%
11717 \global\let\thanks\relax
11718 \global\let\maketitle\relax
11719 \global\let\@maketitle\relax
11720 \global\let\@thanks\@empty
11721 \global\let\@author\@empty
11722 \global\let\@date\@empty
11723 \global\let\@title\@empty
11724 \global\let\title\relax
11725 \global\let\author\relax
11726 \global\let\date\relax
11727 \global\let\and\relax
11728 }
11729 \def\@maketitle{%
11730 \newpage
11731 \null
11732 \vskip 2em%
11733 \begin{center}%
11734 \let \footnote \thanks
11735 {\LARGE \@title \par}%
11736 \vskip 1.5em%

```



```

11737     {\large
11738       \lineskip .5em%
11739       \begin{tabular}[t]{c}%
11740         \@author
11741       \end{tabular}\par}%
11742     \vskip 1em%
11743     {\large \@date}%
11744   \end{center}%
11745   \par
11746   \vskip 1.5em}
11747 \fi
11748 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
11749 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11750 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11751 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11752 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11753 \renewcommand\theequation{%
11754   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
11755 \renewcommand\thefigure{%
11756   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11757 \renewcommand\thetable{%
11758   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

68 File fancybox-xetex-bidi.def

```

11759 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
11760 \def\fancy@oval#1#2#3{%
11761   \boxmaxdepth \maxdimen
11762   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
11763   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
11764   \@ovxx#1\relax
11765   \advance\@ovxx-\@wholewidth
11766   \@ovyy#2\relax
11767   \advance\@ovyy-\@wholewidth
11768   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
11769   \advance\@tempdimb-2\p@
11770   \ifdim\@tempdimb>\the@cornersize\relax
11771     \@tempdimb=\the@cornersize
11772   \fi
11773   \@getcirc\@tempdimb
11774   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
11775   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
11776   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
11777   \@circlefnt
11778   \setbox\@tempboxa\hbox{\beginL%
11779     \if@ovr \@ovvert32\kern -\@tempdima \fi
11780     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
11781     \if@ovt \@ovhorz \kern -\@ovxx \fi
11782     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
11783   \advance\@ovdx\@ovro
11784   \advance\@ovdy\@ovro
11785   \advance\@ovxx\@wholewidth
11786   \wd\@tempboxa=\@ovxx
11787   \dp\@tempboxa=\z@}

```



69 File fancyhdr-xetex-bidi.def

```
11788 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
11789
11790 \let\f@nch@everypar\everypar
11791
11792 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
11793   \f@nch@vbox\headheight{\hbox
11794     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
11795       \parbox[b]{\headwidth}{\centering#3}\hfill
11796       \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
11797
11798 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
11799   \f@nch@vbox\footskip{\footrule
11800     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
11801       \parbox[t]{\headwidth}{\centering#3}\hfill
11802       \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\footrule}}#5}
11803
```

70 File fix2col-xetex-bidi.def

```
11804 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
11805 \def\RTL@outputdblcol{%
11806   \if@firstcolumn
11807     \global\@firstcolumnfalse
11808     \global\setbox\@leftcolumn\copy\@outputbox
11809     \splitmaxdepth\maxdimen
11810     \vbadness\maxdimen
11811     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11812     \toks@{\expandafter{\topmark}}%
11813     \xdef\@firstcoltopmark{\the\toks@}%
11814     \toks@{\expandafter{\splitfirstmark}}%
11815     \xdef\@firstcolfirstmark{\the\toks@}%
11816     \ifx\@firstcolfirstmark\@empty
11817       \global\let\@setmarks\relax
11818     \else
11819       \gdef\@setmarks{%
11820         \let\firstmark\@firstcolfirstmark
11821         \let\topmark\@firstcoltopmark}%
11822     \fi
11823   \else \global\@firstcolumntrue
11824     \setbox\@outputbox \vbox {\hbox to\textwidth {%
11825       \hskip \columnwidth
11826       \hfil \vrule width\columnseprule \hfil
11827       \hbox to\columnwidth {%
11828         \bidi@firstcolumn@status@write%
11829         \box\@leftcolumn \hss}%
11830       \hskip -\textwidth
11831       \hbox to\columnwidth{%
11832         \bidi@lastcolumn@status@write%
11833         \box\@outputbox \hss}%
11834       \hskip \columnsep
11835       \hskip \columnwidth }}%
11836     \@combinedblfloats \@setmarks \@outputpage
```



```

11837 \begingroup \@dblfloatplacement \@startdblcolumn
11838 \@whiles\if@fcolmade \fi
11839 {\@outputpage \@startdblcolumn }\endgroup
11840 \fi}
11841 \def\LTR@outputdblcol{%
11842   \if@firstcolumn
11843     \global\@firstcolumnfalse
11844     \global\setbox\@leftcolumn\copy\@outputbox
11845     \splitmaxdepth\maxdimen
11846     \vbadness\maxdimen
11847     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11848     \toks@ \expandafter{\topmark}%
11849     \xdef\@firstcoltopmark{\the\toks@}%
11850     \toks@ \expandafter{\splitfirstmark}%
11851     \xdef\@firstcolfirstmark{\the\toks@}%
11852     \ifx\@firstcolfirstmark\@empty
11853       \global\let\@setmarks\relax
11854     \else
11855       \gdef\@setmarks{%
11856         \let\firstmark\@firstcolfirstmark
11857         \let\topmark\@firstcoltopmark}%
11858     \fi
11859   \else
11860     \global\@firstcolumntrue
11861     \setbox\@outputbox\vbox{%
11862       \hb@xt@\textwidth{%
11863         \hb@xt@\columnwidth{%
11864           \bidi@firstcolumn@status@write%
11865           \box\@leftcolumn \hss}%
11866         \hfil
11867         \vrule \@width\columnseprule
11868         \hfil
11869         \hb@xt@\columnwidth{%
11870           \bidi@lastcolumn@status@write%
11871           \box\@outputbox \hss}}}%
11872   \@combinedblfloats
11873   \@setmarks
11874   \@outputpage
11875   \begingroup
11876     \@dblfloatplacement
11877     \@startdblcolumn
11878     \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
11879   \endgroup
11880 \fi}

```

71 File fleqn-xetex-bidi.def

```

11881 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
11882 \renewcommand\[{ \relax
11883   \ifmmode\@badmath
11884   \else
11885     \begin{trivlist}%
11886       \@beginparpenalty\predisplaypenalty
11887       \endparpenalty\postdisplaypenalty

```



```

11888             \item[]\leavevmode
11889             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
11890             \hskip\mathindent\bgroup
11891             \fi}
11892 \renewcommand\{\relax
11893             \ifmmode
11894             \egroup $\hfil% $
11895             \endL\egroup
11896             \end{trivlist}%
11897             \else \@badmath
11898             \fi}
11899 \renewenvironment{equation}%
11900 {\@beginparpenalty\predisplaypenalty
11901  \endparpenalty\postdisplaypenalty
11902  \refstepcounter{equation}%
11903  \trivlist \item[]\leavevmode
11904    \hb@xt@\linewidth\bgroup\beginL $\m@th% $
11905    \displaystyle
11906    \hskip\mathindent}%
11907    {\$\hfil % $
11908    \displaywidth\linewidth\hbox{\@eqnnum}%
11909    \endL\egroup
11910    \endtrivlist}

```

72 File float-xetex-bidi.def

```

11911 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
11912 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
11913 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
11914 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
11915 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
11916 \expandafter\edef\csname the#1\endcsname{%
11917 \expandafter\noexpand\csname
11918 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
11919 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

73 File floatrow-xetex-bidi.def

```

11920 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
11921 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
11922 \expandafter\edef\csname theFB@captype\endcsname{%
11923 \expandafter\noexpand\csname
11924 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

74 File flowfram-xetex-bidi.def

```

11925 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package
11926 \def\@outputdblcol{%
11927 \@nxtcol=\c@thisframe
11928 \c@curpg=\c@page
11929 \@g@tnxtcol{\@nxtcol}%
11930 \if@ff@nwpg % next flow frame starts on new page
11931 \global\@firstcolumntrue
11932 \setcolbox\c@thisframe

```



```

11933 \if@specialpage
11934   \global\@specialpagefalse
11935   \nameuse{ps@\@specialstyle}\relax
11936 \fi
11937 \if@twoside
11938   \ifodd\count\z@
11939     \let\@thehead\@oddhead
11940     \let\@thefoot\@oddfoot
11941   \else
11942     \let\@thehead\@evenhead
11943     \let\@thefoot\@evenfoot
11944   \fi
11945 \else
11946   \let\@thehead\@oddhead
11947   \let\@thefoot\@oddfoot
11948 \fi
11949 \@beginvdi
11950 \@dodynamicthehead\@dodynamicthefoot
11951 \vbadness=\@M
11952 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
11953 \@combinedblfloats
11954 \@outputpage
11955 \advance\c@curpg by -\c@page\relax
11956 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
11957 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
11958 \@outputpage}
11959 \begingroup
11960   \@dblfloatplacement
11961   \@startdblcolumn
11962   \@whilesw \if@fcolmade \fi
11963     {\@outputpage \@startdblcolumn }\endgroup
11964 \@resetst@tics
11965 \@resetdyn@mics
11966 \else % still on same page, save contents of box255
11967 \global\@firstcolumnfalse
11968 \@setcolbox\c@thisframe
11969 \fi
11970 \global\c@thisframe=\@nxtcol
11971 \@setcol{\c@thisframe}\relax
11972 \global\@colht\vsiz
11973 }
11974 \def\@outputpage{%
11975 \begingroup
11976   \let\protect\noexpand
11977   \@resetactivechars
11978   \global\let\@if@newlist@if@newlist
11979   \global\@newlistfalse\@parboxrestore
11980   \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
11981   \bidi@beforeoutputpageshipouthook
11982   \shipout\vbox{\set@typeset@protect
11983     \aftergroup
11984     \endgroup
11985     \aftergroup
11986     \set@typeset@protect

```



```

11987 \reset@font\normalsize
11988 \bidi@font@@outputpage
11989 \normalsfcodes
11990 \let\label\@gobble
11991 \let\index\@gobble
11992 \let\glossary\@gobble
11993 \baselineskip\z@skip
11994 \lineskip\z@skip
11995 \lineskiplimit\z@
11996 \vskip\topmargin\moveright\@themargin
11997 \vbox{%
11998 \global\let\bidi@BeforeHeader\@firstofone
11999 \bidi@beforeheaderhook
12000 \vskip\headheight
12001 \vskip\headsep
12002 \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
12003 \bidi@beforeoutputboxoutputpagehook
12004 \box\@outputbox
12005 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
12006 \bidi@afteroutputboxoutputpagehook
12007 }%
12008 \global\let\bidi@AfterOutputPageShipOut\@firstofone
12009 \bidi@afteroutputpageshipouthook
12010 \global\let\if@newlist\@if@newlist
12011 \stepcounter{page}%
12012 \setcounter{displayedframe}{0}%
12013 \let\firstmark\botmark
12014 \global\let\bidi@AtEndOutputPage\@firstofone
12015 \bidi@atendoutputpagehook
12016 }
12017
12018
12019 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
12020 \expandafter\bidicolor\ff@txtcol}}
12021
12022 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
12023 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
12024
12025
12026 \renewcommand*{\@docolbox}[1]{%
12027 \edef\ff@frametype{%
12028 \csname @ff@frametype@\romannumeral#1\endcsname}%
12029 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
12030 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
12031 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
12032 \@ff@setoffset{#1}%
12033 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
12034 \ifthenelse{\boolean{columnframe\romannumeral#1}}{}}{%
12035 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
12036 {\csname colheight\romannumeral#1\endcsname}{%
12037 \expandafter\box\csname column\romannumeral#1\endcsname}{%
12038 \csname\ff@frametype\endcsname}%
12039 }{%
12040 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%

```



```

12041 {\csize colheight\romannumeral#1\endcsize}{%
12042 \expandafter\box\csize column\romannumeral#1\endcsize}%
12043 }}}
12044 \@ifclassloaded{book}{%
12045 \renewcommand\theequation
12046   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12047 \renewcommand \thefigure
12048   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
12049 \renewcommand \thetable
12050   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
12051 \renewcommand \thechapter {\@arabic\c@chapter}
12052 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
12053 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
12054 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
12055 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12056 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
12057 \@ifclassloaded{report}{%
12058 \renewcommand\theequation
12059   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12060 \renewcommand \thefigure
12061   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
12062 \renewcommand \thetable
12063   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
12064 \renewcommand \thechapter {\@arabic\c@chapter}
12065 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
12066 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
12067 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
12068 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12069 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
12070 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
12071 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
12072 \else
12073 #2\relax
12074 \fi}

```

75 File footnote-xetex-bidi.def

```

12075 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
12076 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
12077 \newif\ifbidi@autofooterule
12078 \def\bidi@mpfootnoterule{\footnoterule}
12079 \newcounter{footdir@label}
12080 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
12081 \newcommand*{\footdir@write}{%
12082   \stepcounter{footdir@label}%
12083   \zref@labelbyprops{\thefootdir@label}{abspage}%
12084 }
12085 \newif\iffootdir@debug
12086 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
12087 \newtoks\footdir@toks
12088 \newcommand*{\footdir@debug}[1]{%
12089   \iffootdir@debug
12090     \typeout{[footdir] #1}%
12091   \fi

```




```

12092 }
12093 %\ifpackagelater{zref-abspage}{2012/10/27}{%
12094 % \newcommand*{\footdir@LeftRightElse}{%
12095 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
12096 % \footdir@debug{abspage \the\value{zabspage}: else}%
12097 % \ltx@thirdofthree
12098 % }{%
12099 % \if\csname footdir@the\value{zabspage}\endcsname L%
12100 % \footdir@debug{abspage \the\value{zabspage}: left}%
12101 % \expandafter\ltx@firstofthree
12102 % \else
12103 % \footdir@debug{abspage \the\value{zabspage}: right}%
12104 % \expandafter\ltx@secondofthree
12105 % \fi
12106 % }%
12107 % }%
12108 %}{%
12109 \providecommand*{\c@zabspage}{\c@abspage}%
12110 \newcommand*{\footdir@LeftRightElse}{%
12111 \footdir@write
12112 \zifrefundefined{\thefootdir@label}{%
12113 \footdir@debug{abspage ??: else}%
12114 \ltx@thirdofthree
12115 }{%
12116 \edef\footdir@abspage{%
12117 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
12118 }%
12119 \ltx@ifundefined{footdir@\footdir@abspage}{%
12120 \footdir@debug{\footdir@abspage: else}%
12121 \ltx@thirdofthree
12122 }{%
12123 \if\csname footdir@\footdir@abspage\endcsname L%
12124 \footdir@debug{\footdir@abspage: left}%
12125 \expandafter\ltx@firstofthree
12126 \else
12127 \footdir@debug{\footdir@abspage: right}%
12128 \expandafter\ltx@secondofthree
12129 \fi
12130 }%
12131 }%
12132 }%
12133 %}
12134 \newcommand*{\footdir@fntext}[1]{%
12135 \zifrefundefined{\thefootdir@label}{%
12136 }{%
12137 \edef\footdir@name{%
12138 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
12139 }%
12140 \ifundefined{\footdir@name}{%
12141 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
12142 }{}%
12143 }%
12144 }
12145

```



```

12146 \newcommand*{\footdir@temp}[3]{%
12147   \@ifdefinable{#1}{%
12148     \let#1#2%
12149     \renewcommand{#2}[1]{%
12150       \footdir@write
12151       \footdir@fntext{#3}%
12152       \stepcounter{footdir@label}%
12153       \footdir@fntext{#3}%
12154       \footdir@toks{##1}%
12155       \footdir@toks\expandafter{%
12156         \the\expandafter\footdir@toks
12157         \expandafter
12158         \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
12159       }%
12160       \expandafter#1\expandafter{\the\footdir@toks}%
12161     }%
12162   }%
12163 }
12164
12165 \def\right@footnoterule{%
12166   \kern-3\p@
12167   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12168   \kern2.6\p@}
12169 \def\left@footnoterule{\kern-3\p@
12170   \hrule \@width .4\columnwidth \kern 2.6\p@}
12171 \def\textwidth@footnoterule{\kern-3\p@
12172   \hrule \@width \columnwidth \kern 2.6\p@}
12173 \def\leftfootnoterule{%
12174   \bidi@autofootnoterulefalse%
12175   \def\footnoterule{\left@footnoterule}}
12176 \let\LRfootnoterule=\leftfootnoterule
12177 \def\rightfootnoterule{%
12178   \bidi@autofootnoterulefalse%
12179   \def\footnoterule{\right@footnoterule}}
12180 \def\textwidthfootnoterule{%
12181   \bidi@autofootnoterulefalse%
12182   \def\footnoterule{\textwidth@footnoterule}}
12183
12184
12185
12186 \def\auto@footnoterule{%
12187   \footdir@LeftRightElse%
12188   \left@footnoterule%
12189   \right@footnoterule%
12190   \left@footnoterule%
12191 }
12192
12193
12194
12195 \def\autofootnoterule{%
12196   \bidi@autofootnoteruletrue%
12197   \def\footnoterule{\auto@footnoterule}%
12198 }
12199

```



```

12200 \newcommand*\SplitFootnoteRule}{%
12201   \gdef\split@prev{0}
12202   \let\pagefootnoterule\footnoterule
12203   \let\mpfootnoterule\footnoterule
12204   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
12205   \def\footnoterule{\relax
12206     \ifx \@listdepth\@mplistdepth
12207       \mpfootnoterule
12208     \else
12209       \ifnum\split@prev=\z@
12210         \pagefootnoterule
12211       \else
12212         \splitfootnoterule
12213       \fi
12214       \xdef\split@prev{\the\insertpenalties}%
12215     \fi
12216   }%
12217 }
12218
12219
12220
12221
12222 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
12223   \protected@xdef\@thefnmark{\thempfn}%
12224   \@footnotemark\@RTLfootnotetext}}
12225 \def\@xRTLfootnote[#1]{%
12226   \begingroup
12227     \csname c@\@mpfn\endcsname #1\relax
12228     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12229   \endgroup
12230   \@footnotemark\@RTLfootnotetext}
12231 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
12232   \protected@xdef\@thefnmark{\thempfn}%
12233   \@footnotemark\@LTRfootnotetext}}
12234 \def\@xLTRfootnote[#1]{%
12235   \begingroup
12236     \csname c@\@mpfn\endcsname #1\relax
12237     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12238   \endgroup
12239   \@footnotemark\@LTRfootnotetext}
12240
12241
12242 \def\setfootnoteRL{\@RTL@footnotetrue}
12243 \def\unsetfootnoteRL{\@RTL@footnotefalse}
12244 \def\setfootnoteLR{\unsetfootnoteRL}
12245
12246 \newcommand*\bidi@footnotetext@font{\footnotesize}
12247 \newcommand*\bidi@LTRfootnotetext@font{\footnotesize}
12248 \newcommand*\bidi@RTLfootnotetext@font{\footnotesize}
12249
12250 \long\def\@footnotetext#1{\insert\footins{%
12251   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12252   \reset@font%
12253   \bidi@footnotetext@font% \reset@font\footnotesize

```



```

12254 \interlinepenalty\interfootnotelinepenalty
12255 \splittopskip\footnotesep
12256 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
12257 \hsize\columnwidth \@parboxrestore
12258 \protected@edef\@currentlabel{%
12259 \csname p@footnote\endcsname\@thefnmark
12260 }%
12261 \color@begingroup
12262 \makefnmark{%
12263 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12264 \color@endgroup}}%
12265
12266
12267 \long\def\@RTLfootnotetext#1{\insert\footins{%
12268 \RTLtrue%
12269 \reset@font%
12270 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
12271 \interlinepenalty\interfootnotelinepenalty
12272 \splittopskip\footnotesep
12273 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
12274 \hsize\columnwidth \@parboxrestore
12275 \protected@edef\@currentlabel{%
12276 \csname p@footnote\endcsname\@thefnmark
12277 }%
12278 \color@begingroup
12279 \makefnmark{%
12280 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12281 \color@endgroup}}%
12282
12283 \long\def\@LTRfootnotetext#1{\insert\footins{%
12284 \RTLfalse%
12285 \reset@font%
12286 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
12287 \interlinepenalty\interfootnotelinepenalty
12288 \splittopskip\footnotesep
12289 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
12290 \hsize\columnwidth \@parboxrestore
12291 \protected@edef\@currentlabel{%
12292 \csname p@footnote\endcsname\@thefnmark
12293 }%
12294 \color@begingroup
12295 \makefnmark{%
12296 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12297 \color@endgroup}}%
12298
12299 \AtBeginDocument{%
12300 \if@RTL@footnote
12301 \newcommand*{\bidi@footdir@footnote}{R}
12302 \else
12303 \newcommand*{\bidi@footdir@footnote}{L}
12304 \fi%
12305 }
12306
12307 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%

```



```

12308 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
12309 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
12310
12311 \long\def\@mpRTLfootnotetext#1{%
12312   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
12313   \global\setbox\@mpfootins\vbox{\@RTLtrue%
12314     \unvbox\@mpfootins
12315     \reset@font%
12316     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
12317     \hsize\columnwidth
12318     \@parboxrestore
12319     \protected@edef\@currentlabel
12320       {\csname p@mpfootnote\endcsname\@thefnmark}%
12321     \color@begingroup
12322     \@makefntext{%
12323       \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}%
12324     \color@endgroup}}
12325 \long\def\@mpLTRfootnotetext#1{%
12326   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
12327   \global\setbox\@mpfootins\vbox{\@RTLfalse%
12328     \unvbox\@mpfootins
12329     \reset@font%
12330     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
12331     \hsize\columnwidth
12332     \@parboxrestore
12333     \protected@edef\@currentlabel
12334       {\csname p@mpfootnote\endcsname\@thefnmark}%
12335     \color@begingroup
12336     \@makefntext{%
12337       \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}%
12338     \color@endgroup}}
12339 \long\def\@mpfootnotetext#1{%
12340   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule%
12341   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12342     \unvbox\@mpfootins
12343     \reset@font%
12344     \bidi@footnotetext@font% \reset@font\footnotesize
12345     \hsize\columnwidth
12346     \@parboxrestore
12347     \protected@edef\@currentlabel
12348       {\csname p@mpfootnote\endcsname\@thefnmark}%
12349     \color@begingroup
12350     \@makefntext{%
12351       \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}%
12352     \color@endgroup}}
12353 \def\@iiiminipage#1#2[#3]#4{%
12354   \leavevmode
12355   \@pboxswfalse
12356   \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
12357   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
12358   \setlength\@tempdima{#4}%
12359   \def\@mpargs{{#1}{#2}[#3]{#4}}%
12360   \setbox\@tempboxa\vbox\bgroup
12361     \color@begingroup

```



```

12362      \hsize\@tempdima
12363      \textwidth\hsize \columnwidth\hsize
12364      \@parboxrestore
12365      \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
12366      \let\@footnotetext\@mpfootnotetext
12367      \let\@LTRfootnotetext\@mpLTRfootnotetext
12368      \let\@RTLfootnotetext\@mpRTLfootnotetext
12369      \let\@listdepth\@mplistdepth \@mplistdepth\z@
12370      \@minipagerestore
12371      \@setminipage}
12372 \def\endminipage{%
12373   \par
12374   \unskip
12375   \ifvoid\@mpfootins\else
12376     \vskip\skip\@mpfootins
12377     \normalcolor
12378     \bidi@mpfootnoterule
12379     \unvbox\@mpfootins
12380   \fi
12381   \@minipagefalse   %% added 24 May 89
12382   \color@endgroup
12383   \egroup
12384   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
12385 \def\LTRthanks#1{\footnotemark
12386   \protected@xdef\@thanks{\@thanks
12387     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
12388 }
12389 \def\LTRfootnotetext{%
12390   \@ifnextchar [\@xLTRfootnotenext
12391     {\protected@xdef\@thefnmark{\thempfn}%
12392     \@LTRfootnotetext}}
12393 \def\@xLTRfootnotenext[#1]{%
12394   \begingroup
12395     \csname c@\@mpfn\endcsname #1\relax
12396     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12397   \endgroup
12398   \@LTRfootnotetext}
12399 \def\RTLthanks#1{\footnotemark
12400   \protected@xdef\@thanks{\@thanks
12401     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
12402 }
12403 \let\@thanks\@empty
12404 \def\RTLfootnotetext{%
12405   \@ifnextchar [\@xRTLfootnotenext
12406     {\protected@xdef\@thefnmark{\thempfn}%
12407     \@RTLfootnotetext}}
12408 \def\@xRTLfootnotenext[#1]{%
12409   \begingroup
12410     \csname c@\@mpfn\endcsname #1\relax
12411     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12412   \endgroup
12413   \@RTLfootnotetext}
12414 \leftfootnoterule

```



76 File footnotebackref-xetex-bidi.def

```

12415 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
12416 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
12417 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
12418
12419 \renewcommand*\LTRfootnote{%
12420   \refstepcounter{BackrefHyperFootnoteCounter}%
12421   \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
12422   \label{\BackrefFootnoteTag}%
12423   \@ifnextchar[\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
12424
12425 \renewcommand*\RTLfootnote{%
12426   \refstepcounter{BackrefHyperFootnoteCounter}%
12427   \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
12428   \label{\BackrefFootnoteTag}%
12429   \@ifnextchar[\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
12430 \newcommand\Backref@HyperLTRFootnote[1]{%
12431   \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
12432
12433 \newcommand\Backref@HyperRTLFootnote[1]{%
12434   \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
12435
12436 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
12437   \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
12438
12439 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
12440   \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
12441
12442 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
12443 \ifFootnoteBackref@numberlinked
12444 \renewcommand{\footfootmark}{%
12445   \ifdim\footmarkwidth < \z@
12446     \llap{\hb@xt@ -\footmarkwidth{%
12447       \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12448       \hspace*{ -\footmarkwidth}}}%
12449   \else
12450     \ifdim\footmarkwidth = \z@
12451       {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12452     \else
12453       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
12454     \fi
12455   \fi}
12456 \renewcommand{\LTRfootfootmark}{%
12457   \ifdim\footmarkwidth < \z@
12458     \llap{\hb@xt@ -\footmarkwidth{%
12459       \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12460       \hspace*{ -\footmarkwidth}}}%
12461   \else
12462     \ifdim\footmarkwidth = \z@
12463       {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12464     \else
12465       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
12466     \fi

```



```

12467 \fi}
12468 \renewcommand{\RTLfootfootmark}{%
12469 \ifdim\footmarkwidth < \z@
12470 \llap{\hb@xt@ -\footmarkwidth{%
12471 \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12472 \hspace*{-\footmarkwidth}}}%
12473 \else
12474 \ifdim\footmarkwidth = \z@
12475 {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12476 \else
12477 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12478 \fi
12479 \fi}
12480 \fi
12481 }

```

77 File framed-xetex-bidi.def

```

12482 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for xetex]
12483 \renewcommand\TitleBarFrame[3][\begingroup
12484 \ifx\delimiter#1\delimiter
12485 \let\TF@conlab\@empty
12486 \else
12487 \def\TF@conlab{% continuation label
12488 \nointerlineskip
12489 \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
12490 \fi
12491 %\let\TF@savecolor\current@color
12492 \textcolor{TFFrameColor}{%
12493 \CustomFBox
12494 {\TF@Title{#2}}{\TF@conlab}%
12495 \fbboxrule\fbboxrule\fbboxrule\fbboxrule
12496 %{\let\current@color\TF@savecolor\set@color #3}%
12497 {\normalcolor #3}%
12498 }\endgroup
12499 }
12500 \renewenvironment{titled-frame}[1]{%
12501 \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
12502 \TitleBarFrame{\textbf{#1}}}%
12503 \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
12504 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
12505 \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
12506 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}\ (cont)}}
12507 \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
12508 \TitleBarFrame{\textbf{#1}\ (cont)}}}%
12509 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
12510 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
12511 % could interfere with the width measurement.
12512 {\endMakeFramed}
12513 \chardef\FrameRestore=\catcode`\| % for debug
12514 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
12515 \def\fb@put@frame#1#2{\relax
12516 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
12517 | \message{===== Entering putframe =====}~J

```




```

12518 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
12519 \ifinner
12520 \fb@putboxa#1%
12521 \fb@afterframe
12522 \else
12523 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
12524 \ifdim\dimen@<2\baselineskip % Too little room on page
12525 | \message{Page has only \the\dimen@space room left; eject. }%
12526 \eject \fb@adjheight \fb@put@frame#1#2%
12527 \else % there's appreciable room left on the page
12528 \fb@sizeofframe#1%
12529 | \message{\string\pagetotal=\the\pagetotal,
12530 \string\pagegoal=\the\pagegoal,
12531 \string\pagestretch=\the\pagestretch,
12532 \string\pageshrink=\the\pageshrink,
12533 | \string\fb@frh=\the\fb@frh. \space}
12534 | \message{^~JBox of size \the\ht@tempboxa\space}%
12535 \begingroup % temporarily set \dimen@ to be...
12536 \advance\dimen@.8\pageshrink % maximum space available on page
12537 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
12538 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
12539 \expandafter\endgroup
12540 % expand \ifdim, then restore \dimen@ to real room left on page
12541 \ifdim\dimen@>\ht@tempboxa % whole box does fit
12542 | \message{fits in \the\dimen@. }%
12543 % ToDo: Change this to use vsplit anyway to capture the marks
12544 % MERGE THIS WITH THE else CLAUSE!!!
12545 \fb@putboxa#1%
12546 \fb@afterframe
12547 \else % box must be split
12548 | \message{must be split to fit in \the\dimen@. }%
12549 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
12550 \fb@sizeofframe#2%
12551 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
12552 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
12553 \kern137sp\kern-137sp\penalty-30
12554 \unvbox\@tempboxa}%
12555 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
12556 \splittopskip\the\splittopskip}%
12557 \boxmaxdepth\z@ \splittopskip\z@
12558 | \message{^~JPadded box of size \the\ht@tempboxa\space split to \the\dimen@}%
12559 % Split box here
12560 \setbox\tw@\vsplit\@tempboxa to\dimen@
12561 | \toks99\expandafter{\splitfirstmark}%
12562 | \toks98\expandafter{\splitbotmark}%
12563 | \message{Marks are: \the\toks99, \the\toks98. }%
12564 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
12565 | \message{Natural height of split box is \the\ht\tw@, leaving
12566 | \the\ht@tempboxa\space remainder. }%
12567 % If the split-to size > (\vsize-\topskip), then set box to full size.
12568 \begingroup
12569 \advance\dimen@\topskip
12570 \expandafter\endgroup
12571 \ifdim\dimen@>\pagegoal

```



```

12572 |      \message{Frame is big -- Use up the full column. }%
12573 |      \dimen@ii\pagegoal
12574 |      \advance\dimen@ii -\topskip
12575 |      \advance\dimen@ii \FrameHeightAdjust\relax
12576 | \else % suspect this is implemented incorrectly:
12577 | % If the split-to size > feasible room_on_page, rebox it smaller.
12578 | \advance\dimen@.8\pageshrink
12579 | \ifdim\ht\tw@>\dimen@
12580 |     \message{Box too tall; rebox it to \the\dimen@. }%
12581 |     \dimen@ii\dimen@
12582 | \else % use natural size
12583 |     \dimen@ii\ht\tw@
12584 | \fi
12585 | \fi
12586 | % Re-box contents to desired size \dimen@ii
12587 | \advance\dimen@ii -\fb@frh
12588 | \setbox\tw@\vbox to\dimen@ii \bgroup
12589 | % remove simulated frame and page flexibility:
12590 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
12591 | \unvbox\tw@ \unpenalty\unpenalty
12592 | \ifdim\lastkern=-137sp % whole box went to next page
12593 |     \message{box split at beginning! }%
12594 |     % need work here???
12595 |     \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
12596 |     \fb@adjheight
12597 |     \fb@put@frame#1#2% INSERTED ???
12598 | \else % Got material split off at the head
12599 |     \egroup \fb@resto@set
12600 |     \ifvoid\@tempboxa % it all fit after all
12601 |         \message{box split at end! }%
12602 |         \setbox\@tempboxa\box\tw@
12603 |         \fb@putboxa#1%
12604 |         \fb@afterframe
12605 |     \else % it really did split
12606 |         \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
12607 |         \ifdim\wd\tw@>\z@
12608 |             \wd\tw@\wd\@tempboxa
12609 |             \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
12610 |         \else
12611 |             \message{Zero width means likely blank. Don't frame it (guess)}%
12612 |             \box\tw@
12613 |         \fi
12614 |         \hrule \@height\z@ \@width\hsize
12615 |         \eject
12616 |         \fb@adjheight
12617 |         \fb@put@frame\LastFrameCommand\MidFrameCommand
12618 |     \fi\fi\fi\fi\fi
12619 | }
12620 | \def\fb@putboxa#1{%
12621 |     \ifvoid\@tempboxa
12622 |         \PackageWarning{framed}{Boxa is void -- discard it. }%
12623 |     \else
12624 |         \message{Frame and place boxa. }%
12625 |         %{\showoutput\showbox\@tempboxa}%

```



```

12626 \centerline{#1{\hboxL{\box\@tempboxa}}}%
12627 \fi
12628 }
12629 \catcode`\|=\FrameRestore
12630 \def\FrameRestore{%
12631 \let\if@nobreak\iffalse
12632 \let\if@noskipsec\iffalse
12633 \let\-\@dischph
12634 \let'\@acci\let'\@accii\let\=\@acciii
12635 % \message{FrameRestore:
12636 % \totalleftmargin=\the \totalleftmargin,
12637 % \rightmargin=\the\rightmargin,
12638 % \listdepth=\the\listdepth. }%
12639 % Test if we are in a list (or list-like paragraph)
12640 \ifnum \ifdim\totalleftmargin>\z@ 1\fi
12641 \ifdim\rightmargin>\z@ 1\fi
12642 \ifnum\listdepth>\z@ 1\fi 0>\z@
12643 % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\totalleftmargin,
12644 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
12645 % \labelwidth=\the\labelwidth. }%
12646 \@setminipage % snug fit around the item
12647 % Now try to propagate changes of width from \hsize to list parameters.
12648 % This is deficient, but a more advanced way to indicate modification to text
12649 % dimensions is not (yet) provided; in particular, no separate left/right
12650 % adjustment.
12651 \advance\linewidth-\columnwidth \advance\linewidth\hsize
12652 \parshape\@ne \totalleftmargin \linewidth
12653 \else % Not in list
12654 \linewidth=\hsize
12655 %\message{No list, set \string\linewidth=\the\hsize. }%
12656 \fi
12657 \sloppy
12658 }

```

78 File ftnright-xetex-bidi.def

```

12659 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
12660
12661 \def\prepare@bidi@copyins{%
12662 \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
12663 \global\skip\@bidi@copyins@\z@
12664 \global\count\@bidi@copyins@\z@
12665 \global\dimen\@bidi@copyins@\textheight}
12666
12667 \newskip\bidi@rcol@copyinsskip
12668
12669 \def\LTR@outputdblcol{%
12670 \if@firstcolumn
12671 \global\@firstcolumnfalse
12672 \global\setbox\@leftcolumn\copy\@outputbox
12673 \global\count\footins\@m
12674 \global\skip\footins\rcol@footinsskip
12675 \global\count\@bidi@copyins@\@m
12676 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip

```



```

12677 \splitmaxdepth\maxdimen
12678 \vbadness\maxdimen
12679 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
12680 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
12681 \toks@\expandafter{\topmark}%
12682 \xdef\@firstcoltopmark{\the\toks@}%
12683 \toks@\expandafter{\splitfirstmark}%
12684 \xdef\@firstcolfirstmark{\the\toks@}%
12685 \ifx\@firstcolfirstmark\@empty
12686 \global\let\@setmarks\relax
12687 \else
12688 \gdef\@setmarks{%
12689 \let\firstmark\@firstcolfirstmark
12690 \let\topmark\@firstcoltopmark}%
12691 \fi
12692 \else
12693 \preparefootins
12694 \prepare@bidi@copyins
12695 \global\@firstcolumntrue
12696 \setbox\@outputbox\vbox{%
12697 \hb@xt@\textwidth{%
12698 \hb@xt@\columnwidth{%
12699 \bidi@firstcolumn@status@write%
12700 \box\@leftcolumn \hss}%
12701 \hfil
12702 {\normalcolor\vrule \@width\columnseprule}%
12703 \hfil
12704 \hb@xt@\columnwidth{%
12705 \bidi@lastcolumn@status@write%
12706 \box\@outputbox \hss}}}%
12707 \@combinedblfloats
12708 \@setmarks
12709 \@outputpage
12710 \begin@group
12711 \@dblfloatplacement
12712 \@startdblcolumn
12713 \@whilesw@if@colmade \fi{\@outputpage
12714 \@startdblcolumn}%
12715 \end@group
12716 \fi}%
12717
12718 \def\RTL@outputdblcol{%
12719 \if@firstcolumn
12720 \global\@firstcolumnfalse
12721 \global\setbox\@leftcolumn\copy\@outputbox
12722 \global\count\footins\@m
12723 \global\skip\footins\rcol@footinsskip
12724 \global\count\@bidi@copyins\@m
12725 \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
12726 \splitmaxdepth\maxdimen
12727 \vbadness\maxdimen
12728 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
12729 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
12730 \toks@\expandafter{\topmark}%

```



```

12731 \xdef\@firstcoltopmark{\the\toks@}%
12732 \toks@\expandafter{\splitfirstmark}%
12733 \xdef\@firstcolfirstmark{\the\toks@}%
12734 \ifx\@firstcolfirstmark\@empty
12735 \global\let\@setmarks\relax
12736 \else
12737 \gdef\@setmarks{%
12738 \let\firstmark\@firstcolfirstmark
12739 \let\topmark\@firstcoltopmark}%
12740 \fi
12741 \else
12742 \preparefootins
12743 \prepare@bidi@copyins
12744 \global\@firstcolumntrue
12745 \setbox\@outputbox\vbox{%
12746 \hb@xt@\textwidth{%
12747 \hskip \columnwidth
12748 \hfil
12749 {\normalcolor\vrule \@width\columnseprule}%
12750 \hfil
12751 \hb@xt@\columnwidth{%
12752 \bidi@firstcolumn@status@write%
12753 \box\@leftcolumn \hss}%
12754 \hskip -\textwidth
12755 \hb@xt@\columnwidth{%
12756 \bidi@lastcolumn@status@write%
12757 \box\@outputbox \hss}%
12758 \hskip \columnsep
12759 \hskip \columnwidth }}%
12760 \@combinedblfloats
12761 \@setmarks
12762 \@outputpage
12763 \begingroup
12764 \@dblfloatplacement
12765 \@startdblcolumn
12766 \@whilesw\if@fcolmade \fi{\@outputpage
12767 \@startdblcolumn}%
12768 \endgroup
12769 \fi}%
12770
12771 \def\@startcolumn{%
12772 \ifx\@deferlist\@empty
12773 \global\@fcolmadefalse
12774 \global\@colroom\@colht
12775 \else
12776 \ifvoid\footins\else
12777 \ftn@amount\ht\footins
12778 \advance\ftn@amount\dp\footins
12779 \advance\ftn@amount\skip\footins
12780 \fi
12781 \ifvoid\@bidi@copyins\else
12782 \bidi@copyins@amount\ht\@bidi@copyins@
12783 \advance\bidi@copyins@amount\dp\@bidi@copyins@
12784 \advance\bidi@copyins@amount\skip\@bidi@copyins@

```



```

12785 \fi
12786 \global\advance\@colht-\ftn@amount
12787 \global\advance\@colht-\bidi@copyins@amount
12788 \global\@colroom\@colht
12789 \@xstartcol
12790 \global\advance\@colht\ftn@amount
12791 \global\advance\@colroom\ftn@amount
12792 \global\advance\@colht\bidi@copyins@amount
12793 \global\advance\@colroom\bidi@copyins@amount
12794 \fi
12795 \if@fcolmade
12796 \setbox\@cclv\box\@outputbox
12797 \@makecol
12798 \else
12799 \ifvoid\footins\else
12800 \insert\footins{\unvbox\footins}\fi
12801 \ifvoid\@bidi@copyins\else
12802 \insert\@bidi@copyins{\unvbox\@bidi@copyins}\fi
12803 \fi}
12804
12805 \newdimen\bidi@copyins@amount
12806
12807 \def\@makecol{\if@firstcolumn
12808 \setbox\@outputbox\box\@cclv
12809 \if@twocolumn \else
12810 \ifvoid\footins \else
12811 \latexerr{ftnright package
12812 used in one-column mode}%
12813 {The ftnright package was designed to
12814 work with LaTeX's standard^^Jtwocolumn
12815 option. It does *not* work with the
12816 multicol package.^^JSo please specify
12817 `twocolumn' in the
12818 \noexpand\documentclass command.}%
12819 \shipout\box\footins \fi
12820 \ifvoid\@bidi@copyins\else
12821 \latexerr{ftnright package
12822 used in one-column mode}%
12823 {The ftnright package was designed to
12824 work with LaTeX's standard^^Jtwocolumn
12825 option. It does *not* work with the
12826 multicol package.^^JSo please specify
12827 `twocolumn' in the
12828 \noexpand\documentclass command.}%
12829 \shipout\box\@bidi@copyins\fi\fi
12830 \ifnum\insertpenalties>\z@
12831 \latexerr{ftnright package
12832 scrambled footnotes}%
12833 {There is too much footnote material in
12834 the first column and ftnright^^Jis
12835 unable to cope with this.^^JYou need
12836 to reduce the amount to get a properly
12837 formatted page.}%
12838 \fi

```



```

12839 \else
12840 \ifvoid\footins
12841 \ifvoid\@bidi@copyins@
12842 \setbox\@outputbox\box\@cclv
12843 \else
12844 \setbox\@outputbox\vbox
12845 {\ifvoid\@cclv \else
12846 \unvbox\@cclv
12847 \vskip \skip\@bidi@copyins@
12848 \fi
12849 \color@begingroup
12850 \normalcolor
12851 \unvbox \@bidi@copyins@
12852 \color@endgroup}%
12853 \fi
12854 \else
12855 \setbox\@outputbox\vbox
12856 {\ifvoid\@cclv \else
12857 \unvbox\@cclv
12858 \vskip\skip\footins\fi
12859 \color@begingroup
12860 \normalcolor
12861 \footnoterule\unvbox\footins
12862 \color@endgroup
12863 \ifvoid\@bidi@copyins@
12864 \else
12865 \vskip \skip\@bidi@copyins@
12866 \color@begingroup
12867 \normalcolor
12868 \unvbox \@bidi@copyins@
12869 \color@endgroup
12870 \fi
12871 }%
12872 \fi
12873 \fi
12874 \xdef\@freelist{\@freelist\@midlist}%
12875 \global \let \@midlist \@empty
12876 \@combinefloats
12877 \ifvbox\@kludgeins
12878 \@makespecialcolbox
12879 \else
12880 \setbox\@outputbox\vbox to\@colht
12881 {\boxmaxdepth\maxdepth
12882 \@texttop
12883 \@tempdima\dp\@outputbox
12884 \unvbox\@outputbox
12885 \vskip-\@tempdima
12886 \@textbottom}%
12887 \fi
12888 \global\maxdepth\@maxdepth}
12889
12890 \let\leftfootnoterule\@empty
12891 \let\rightfootnoterule\@empty
12892 \let\textwidthfootnoterule\@empty

```



```

12893 \let\autofooterule\@empty
12894 \let\footnoterule\@empty
12895 \long\def\@makefntext#1{\parindent 1em
12896   \noindent\hbox to 2em{}%
12897   \llap{\@thefnmark\hbox{.}\,\,}\,#1}
12898
12899 \setlength{\skip\@bidi@copyins@}
12900   {10pt plus 5pt minus 3pt}
12901 \AtBeginDocument{\prepare@bidi@copyins}

```

79 File graphicx-xetex-bidi.def

```

12902 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
12903 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
12904   \Grot@setangle{#1}%
12905   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
12906   \Grot@x\z@
12907   \Grot@y\z@
12908   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
12909 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12910   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
12911   \Grot@x\width \divide\Grot@x\tw@
12912   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
12913   \setkeys{Grot}{#1}%
12914   \setbox\z@\box\@tempboxa
12915   \Grot@setangle{#2}%
12916   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
12917   \@end@tempboxa}
12918 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12919   \leavevmode
12920   \def\Gscale@x{#1}\def\Gscale@y{#2}%
12921   \setbox\z@\hbox{#3}%
12922   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
12923   \ifdim#2\p@<\z@
12924     \ht\tw@-#2\dp\z@
12925     \dp\tw@-#2\ht\z@
12926   \else
12927     \ht\tw@#2\ht\z@
12928     \dp\tw@#2\dp\z@
12929   \fi
12930   \ifdim#1\p@<\z@
12931     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
12932   \else
12933     \wd\tw@#1\wd\z@
12934     \box\tw@
12935   \fi\ifmmode\else\if@RTL\endL\fi\fi}
12936 \def\Gin@iii[#1,#2][#3,#4]#5{%
12937   \begingroup
12938   \ifmmode\else\if@RTL\beginL\fi\fi
12939   \Gin@bboxtrue
12940   \Gin@defaultbp\Gin@llx{#1}%
12941   \Gin@defaultbp\Gin@lly{#2}%
12942   \Gin@defaultbp\Gin@urx{#3}%
12943   \Gin@defaultbp\Gin@ury{#4}%

```




```

12944 \Ginclud@graphics{#5}%
12945 \ifmmode\else\if@RTL\endL\fi\fi
12946 \endgroup}
12947 \def\Gin@ii[#1]#2{%
12948   \def\@tempa{[]}\def\@tempb{#2}%
12949   \ifx\@tempa\@tempb
12950     \def\@tempa{\Gin@iii[#1] []}%
12951     \expandafter\@tempa
12952   \else
12953     \begingroup
12954       \ifmmode\else\if@RTL\beginL\fi\fi
12955       \@tempswafalse
12956       \toks@{\Ginclud@graphics{#2}}%
12957       \setkeys{Gin}{#1}%
12958       \Gin@esetsize
12959       \the\toks@
12960       \ifmmode\else\if@RTL\endL\fi\fi
12961     \endgroup
12962   \fi}
12963 \def\reflectbox{\bidiGscale@box-1[1]}
12964 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12965   \leavevmode
12966   \def\Gscale@x{#1}\def\Gscale@y{#2}%
12967   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
12968   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
12969   \ifdim#2\p@<\z@
12970     \ht\tw@-#2\dp\z@
12971     \dp\tw@-#2\ht\z@
12972   \else
12973     \ht\tw@#2\ht\z@
12974     \dp\tw@#2\dp\z@
12975   \fi
12976   \ifdim#1\p@<\z@
12977     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
12978   \else
12979     \wd\tw@#1\wd\z@
12980     \box\tw@
12981   \fi\ifmmode\else\if@RTL\endL\fi\fi}
12982 \def\scalebox#1{%
12983   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
12984 \def\resizebox{%
12985   \leavevmode
12986   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
12987 \def\bidiGscale@@box#1#2#3{%
12988   \let\@tempa\Gin@exclamation
12989   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
12990   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
12991   \ifx\@tempb\@tempa
12992     \ifx\@tempc\@tempa
12993       \toks@{\mbox}%
12994     \else
12995       \toks@{\bidiGscale@box@dd{#3}#1}%
12996     \fi
12997   \else

```



```

12998 \ifx\@tempc\@tempa
12999 \toks@{\bidiGscale@box@dd{#2}\width}%
13000 \else
13001 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
13002 \fi
13003 \fi
13004 \the\toks@}
13005 \long\def\bidiGscale@box@dd#1#2#3{%
13006 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\fi}%
13007 \setlength\@tempdima{#1}%
13008 \setlength\@tempdimb{#2}%
13009 \Gscale@div\@tempa\@tempdima\@tempdimb
13010 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
13011 \@end@tempboxa}
13012 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
13013 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\fi}%
13014 \setlength\@tempdima{#1}%
13015 \setlength\@tempdimb{#2}%
13016 \Gscale@div\@tempa\@tempdima\@tempdimb
13017 \setlength\@tempdima{#3}%
13018 \setlength\@tempdimb{#4}%
13019 \Gscale@div\@tempb\@tempdima\@tempdimb
13020 \ifGin@iso
13021 \ifdim\@tempa\p@>\@tempb\p@
13022 \let\@tempa\@tempb
13023 \else
13024 \let\@tempb\@tempa
13025 \fi
13026 \fi
13027 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
13028 \@end@tempboxa}

```

80 File geometry-xetex-bidi.def

```

13029 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
13030 \renewcommand*{\Gm@vrules@mpi}{%
13031 \if@RTLmain%
13032 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
13033 \llap{\Gm@vrule}\ignorespaces
13034 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
13035 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
13036 \else%
13037 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
13038 \hskip \textwidth\Gm@vrule\hskip \marginparsep
13039 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
13040 \renewcommand*{\Gm@vrules@mpii}{%
13041 \if@RTLmain%
13042 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
13043 \hskip \textwidth\Gm@vrule\hskip \marginparsep
13044 \llap{\Gm@vrule}\hfil\Gm@vrule}%
13045 \else%
13046 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
13047 \llap{\Gm@vrule}\ignorespaces
13048 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep

```



```

13049 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
13050 \bidi@patchcmd{\Gm@pageframes}{%
13051     \ifodd\count\z@
13052     \let\@themargin\oddsidemargin
13053     \else
13054     \let\@themargin\evensidemargin
13055     \fi
13056 }{%
13057     \ifodd\count\z@
13058     \if@RTLmain
13059     \let\@themargin\evensidemargin
13060     \else
13061     \let\@themargin\oddsidemargin
13062     \fi
13063     \else
13064     \if@RTLmain
13065     \let\@themargin\oddsidemargin
13066     \else
13067     \let\@themargin\evensidemargin
13068     \fi
13069     \fi
13070 }{}{}

```

81 File hvfloat-xetex-bidi.def

```

13071 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
13072 \def\do@hvFloat[#1]#2#3{%
13073 \def\hv@shortCap{#1}
13074 \def\hv@longCap{#2}
13075 \def\hv@label{#3}
13076 %\newcommand*{\hvFloat}[5][]{%
13077 % [#1]: keyvalues
13078 % #2: type figure | table | ...
13079 % #3: float contents
13080 % [#4]: short caption
13081 % #5: caption
13082 % #6: label
13083 % \setDefaults%
13084 % \def\@tempa{#1}%
13085 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
13086 \def\@tempa{90}%
13087 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
13088 \else \setlength{\hvMaxCapWidth}{\linewidth}
13089 \fi
13090 %
13091 % First we save the object in \hvObjectBox
13092 %
13093 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
13094 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
13095 \else
13096 \savebox{\hvObjectBox}{%
13097 \rotatebox{\hvSet@objectAngle}{%
13098 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
13099 \fi

```



```

13100 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
13101 %
13102 % Now we save the caption with its defined \hvCapWidth
13103 %
13104 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
13105 \else
13106   \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
13107   \else
13108     \setlength{\hvCapWidth}{\hvObjectWidth}
13109     \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
13110     \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
13111     \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
13112 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
13113     \else
13114 \setlength{\hvCapWidth}{\hvMaxCapWidth}
13115     \fi
13116   \fi
13117 \fi
13118 %
13119 % now we have the object and the caption with the right
13120 % rotated angles saved in boxes
13121 %
13122 \def\fps@figure{\hvSet@floatPos}
13123 \ifhv@nonFloat\begin{group}% Start the nonfloat part
13124 \else \begin{\hv@floatType}% Start the floating environment
13125 \fi%
13126 \saveCaptionSkip% we put this space ourselves
13127 \ifx\hvSet@capAngle\hv@Width % need rotation?
13128   \sbox{\hvCaptionBox}{%
13129     \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
13130       \ifhv@nonFloat%
13131 \ifhv@onlyText#2%
13132       \else%
13133       \ifx\hv@floatType\hv@figure
13134         \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
13135       \else
13136         \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
13137       \fi
13138     \fi
13139 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
13140 \fi%
13141 \label{#3}%
13142   \end{minipage}%
13143   }%
13144 \else%
13145   \sbox{\hvCaptionBox}{%
13146     \rotatebox{\hvSet@capAngle}{%
13147       \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
13148 \ifhv@nonFloat%
13149       \ifhv@onlyText#2%
13150       \else%
13151       \ifx\hv@floatType\hv@figure
13152         \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
13153       \else

```



```

13154         \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
13155     \fi
13156 \fi
13157 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
13158     \fi%
13159     \label{#3}%
13160     \end{minipage}%
13161 }%
13162 }%
13163 \fi%
13164 %%
13165 \restoreCaptionSkip% save old values
13166 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
13167 \else%
13168     \ifx\hvSet@objectPos\hv@Center
13169     \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
13170 \fi%
13171 \fi%
13172 %
13173 % to rotate object and caption together, we save all in another box
13174 % the caption comes first, if its on the left or the top
13175 %
13176 \savebox{\@tempboxa}{%
13177     \ifx\hvSet@capPos\hv@Left % caption on left side
13178 \if@RTL%
13179 \ifx\hvSet@capVPos\hv@Center%
13180 \ifhv@fbox
13181 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
13182 \else
13183 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13184 \fi%
13185 \hspace{\hvSet@floatCapSep pt}%
13186 \ifhv@fbox
13187 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13188 \else
13189 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
13190 \fi%
13191 \else%
13192 \ifx\hvSet@capVPos\hv@Top
13193 \ifhv@fbox
13194 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13195 \else
13196 \raisebox{-\height}{\usebox{\hvObjectBox}}%
13197 \fi%
13198 \hspace{\hvSet@floatCapSep pt}%
13199 \ifhv@fbox
13200 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13201 \else
13202 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13203 \fi
13204 \else
13205 \ifhv@fbox
13206 \fbox{\usebox{\hvObjectBox}}%
13207 \else

```



```

13208 \usebox{\hvObjectBox}%
13209 \fi
13210 \hspace{\hvSet@floatCapSep pt}%
13211 \ifhv@fbox
13212 \fbox{\usebox{\hvCaptionBox}}%
13213 \else
13214 \usebox{\hvCaptionBox}%
13215 \fi%
13216 \fi%
13217 \fi%
13218 \else% not RTL
13219 \ifx\hvSet@capVPos\hv@Center%
13220 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13221 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
13222 \fi%
13223 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13224 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
13225 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13226 \fi%
13227 \else%
13228 \ifx\hvSet@capVPos\hv@Top % caption at top
13229 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13230 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13231 \fi
13232 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13233 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13234 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
13235 \fi%
13236 \else% caption on bottom
13237 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
13238 \else\usebox{\hvCaptionBox}
13239 \fi%
13240 \hspace{\hvSet@floatCapSep pt}%
13241 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
13242 \else \usebox{\hvObjectBox}
13243 \fi%
13244 \fi%
13245 \fi% end of RTL
13246 \fi%
13247 \else
13248 \ifx\hvSet@capPos\hv@Top
13249 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
13250 \begin{minipage}{\wd\hvCaptionBox}
13251 \else
13252 \begin{minipage}{\wd\hvObjectBox}
13253 \fi
13254 \centering
13255 \ifhv@fbox
13256 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
13257 \fbox{\usebox{\hvObjectBox}}
13258 \else
13259 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
13260 \usebox{\hvObjectBox}
13261 \fi%

```



```

13262 \end{minipage}
13263 \else
13264 \ifx\hvSet@capPos\hv@Bottom
13265 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
13266 \begin{minipage}{\wd\hvCaptionBox}
13267 \else
13268 \begin{minipage}{\wd\hvObjectBox}
13269 \fi
13270 \centering
13271 \ifhv@fbox
13272 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
13273 \fbox{\usebox{\hvCaptionBox}}
13274 \else
13275 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
13276 \usebox{\hvCaptionBox}
13277 \fi%
13278 \end{minipage}
13279 \else% the last option: put the caption on the right
13280 \if@RTL%
13281 \ifx\hvSet@capVPos\hv@Center%
13282 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13283 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
13284 \fi%
13285 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13286 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
13287 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13288 \fi%
13289 \else%
13290 \ifx\hvSet@capVPos\hv@Top % caption at top
13291 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13292 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13293 \fi
13294 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13295 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13296 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
13297 \fi%
13298 \else% caption on bottom
13299 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
13300 \else\usebox{\hvCaptionBox}
13301 \fi%
13302 \hspace{\hvSet@floatCapSep pt}%
13303 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
13304 \else \usebox{\hvObjectBox}
13305 \fi%
13306 \fi%
13307 \fi%
13308 \else% not RTL
13309 \ifx\hvSet@capVPos\hv@Center%
13310 \ifhv@fbox
13311 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
13312 \else
13313 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13314 \fi%
13315 \hspace{\hvSet@floatCapSep pt}%

```



```

13316 \ifhv@fbox
13317 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13318 \else
13319 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
13320 \fi%
13321 \else%
13322 \ifx\hvSet@capVPos\hv@Top
13323 \ifhv@fbox
13324 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13325 \else
13326 \raisebox{-\height}{\usebox{\hvObjectBox}}%
13327 \fi%
13328 \hspace{\hvSet@floatCapSep pt}%
13329 \ifhv@fbox
13330 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13331 \else
13332 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13333 \fi
13334 \else
13335 \ifhv@fbox
13336 \fbox{\usebox{\hvObjectBox}}%
13337 \else
13338 \usebox{\hvObjectBox}%
13339 \fi
13340 \hspace{\hvSet@floatCapSep pt}%
13341 \ifhv@fbox
13342 \fbox{\usebox{\hvCaptionBox}}%
13343 \else
13344 \usebox{\hvCaptionBox}%
13345 \fi%
13346 \fi%
13347 \fi
13348 \fi% end of RTL
13349 \fi
13350 \fi
13351 \fi
13352 }% End savebox Object and caption
13353 %
13354 % now we rotate the object and caption, if needed
13355 %
13356 \ifx\hvSet@rotAngle\hv@Zero
13357 \usebox{\@tempboxa}
13358 \else
13359 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
13360 \fi
13361 \ifhv@nonFloat
13362 \ifx\hvSet@objectPos\hv@Center
13363 \ifhv@nonFloat
13364 \hspace{\fill}
13365 \fi
13366 \fi
13367 \endgroup% End the nonfloat part
13368 \else
13369 \end{\hv@floatType}% End the floating environment

```




```

13370 \fi
13371 }

```

82 File hyperref-xetex-bidi.def

```

13372 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
13373 \AtBeginDocument{%
13374 \def\contentsline#1#2#3#4{%
13375   \ifx\#4\%
13376     \csname l@#1\endcsname{#2}{#3}%
13377   \else
13378     \ifcase\Hy@linktoc % none
13379       \csname l@#1\endcsname{#2}{#3}%
13380     \or % section
13381       \csname l@#1\endcsname{%
13382         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
13383       }{#3}%
13384     \or % page
13385       \csname l@#1\endcsname{#2}{#3}%
13386       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
13387     }%
13388   \else % all
13389     \csname l@#1\endcsname{%
13390       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
13391     }{#3}%
13392     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
13393   }%
13394 \fi
13395 \fi
13396 }
13397 \ifHy@hyperfootnotes
13398   \let\H@@footnotetext\@footnotetext
13399   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
13400   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
13401   \def\@xfootnotenext[#1]{%
13402     \begingroup
13403       \csname c@%mpfn\endcsname #1\relax
13404       \unrestored@protected@xdef\@thefnmark{\thempfn}%
13405     \endgroup
13406     \ifx\@footnotetext\@mpfootnotetext
13407       \expandafter\H@@mpfootnotetext
13408     \else
13409       \expandafter\H@@footnotetext
13410     \fi
13411   }%
13412   \def\@xRTLfootnotenext[#1]{%
13413     \begingroup
13414       \csname c@%mpfn\endcsname #1\relax
13415       \unrestored@protected@xdef\@thefnmark{\thempfn}%
13416     \endgroup
13417     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
13418       \expandafter\HRTL@mpRTLfootnotetext
13419     \else
13420       \expandafter\HRTL@RTLfootnotetext

```



```

13421 \fi
13422 }%
13423 \def\xLTRfootnotenext[#1]{%
13424 \begingroup
13425 \csname c@\mpfn\endcsname #1\relax
13426 \unrestored@protected@xdef\thefnmark{\thempfn}%
13427 \endgroup
13428 \ifx\xLTRfootnotetext\@mpLTRfootnotetext
13429 \expandafter\HLTR@\mpLTRfootnotetext
13430 \else
13431 \expandafter\HLTR@\xLTRfootnotetext
13432 \fi
13433 }%
13434 \def\xfootnotemark[#1]{%
13435 \begingroup
13436 \c@footnote #1\relax
13437 \unrestored@protected@xdef\thefnmark{\thefootnote}%
13438 \endgroup
13439 \H@\footnotemark
13440 }%
13441 \let\H@\mpfootnotetext\@mpfootnotetext
13442 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
13443 \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
13444 \long\def\@mpfootnotetext#1{%
13445 \H@\mpfootnotetext{%
13446 \ifHy@nesting
13447 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13448 \else
13449 \Hy@raisedlink{%
13450 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13451 }#1%
13452 \fi
13453 }%
13454 }%
13455 \long\def\@mpRTLfootnotetext#1{%
13456 \HRTL@\mpRTLfootnotetext{%
13457 \ifHy@nesting
13458 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13459 \else
13460 \Hy@raisedlink{%
13461 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13462 }#1%
13463 \fi
13464 }%
13465 }%
13466 \long\def\@mpLTRfootnotetext#1{%
13467 \HLTR@\mpLTRfootnotetext{%
13468 \ifHy@nesting
13469 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13470 \else
13471 \Hy@raisedlink{%
13472 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13473 }#1%
13474 \fi

```



```

13475 }%
13476 }%
13477 \long\def\@footnotetext#1{%
13478 \H@@footnotetext{%
13479 \ifHy@nesting
13480 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13481 \else
13482 \Hy@raisedlink{%
13483 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13484 }%
13485 \let\@currentHlabel\Hy@footnote@currentHlabel
13486 \let\@currentHref\Hy@footnote@currentHref
13487 \let\@currentlabelname\@empty
13488 #1%
13489 \fi
13490 }%
13491 }%
13492 \long\def\@RTLfootnotetext#1{%
13493 \HRTL@@RTLfootnotetext{%
13494 \ifHy@nesting
13495 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13496 \else
13497 \Hy@raisedlink{%
13498 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13499 }%
13500 \let\@currentHlabel\Hy@footnote@currentHlabel
13501 \let\@currentHref\Hy@footnote@currentHref
13502 \let\@currentlabelname\@empty
13503 #1%
13504 \fi
13505 }%
13506 }%
13507 \long\def\@LTRfootnotetext#1{%
13508 \HLTR@@LTRfootnotetext{%
13509 \ifHy@nesting
13510 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13511 \else
13512 \Hy@raisedlink{%
13513 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13514 }%
13515 \let\@currentHlabel\Hy@footnote@currentHlabel
13516 \let\@currentHref\Hy@footnote@currentHref
13517 \let\@currentlabelname\@empty
13518 #1%
13519 \fi
13520 }%
13521 }%
13522 \@ifpackageloaded{tabularx}{%
13523 \let\HyOrg@TX@endtabularx\TX@endtabularx
13524 \def\Hy@tabularx@hook{%
13525 \let\@footnotetext\H@@footnotetext
13526 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
13527 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
13528 \let\@footnotemark\H@@footnotemark

```



```

13529      \let\@mpfootnotetext\H@mpfootnotetext
13530      \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
13531      \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
13532    }%
13533    \begingroup
13534      \toks@{\expandafter{\TX@endtabularx}}%
13535      \xdef\Hy@gtemp{%
13536        \noexpand\Hy@tabularx@hook
13537        \the\toks@
13538      }%
13539    \endgroup
13540    \let\TX@endtabularx\Hy@gtemp
13541  }{}%
13542  \@ifpackageloaded{longtable}{%
13543    \CheckCommand*{\LT@p@LTRfnttext}[1]{%
13544      \edef\@tempa{%
13545        \the\LT@p@ftn
13546        \noexpand\LTRfootnotetext[\the\c@footnote]}%
13547      }%
13548      \global\LT@p@ftn\expandafter{\@tempa{#1}}%
13549    }%
13550    \long\def\LT@p@LTRfnttext#1{%
13551      \edef\@tempa{%
13552        \the\LT@p@ftn
13553        \begingroup
13554          \noexpand\c@footnote=\the\c@footnote\relax
13555          \noexpand\protected@xdef\noexpand\@thefnmark{%
13556            \noexpand\thempfn
13557          }%
13558          \noexpand\Hy@LT@LTRfootnotetext{%
13559            \Hy@footnote@currentHref
13560          }%
13561        }%
13562        \global\LT@p@ftn\expandafter{%
13563          \@tempa{#1}%
13564        \endgroup
13565      }%
13566    }%
13567    \long\def\Hy@LT@LTRfootnotetext#1#2{%
13568      \HLTR@LTRfootnotetext{%
13569        \ifHy@nesting
13570          \hyper@@anchor{#1}{#2}%
13571        \else
13572          \Hy@raisedlink{%
13573            \hyper@@anchor{#1}{\relax}%
13574          }%
13575          \def\@currentHref{#1}%
13576          \let\@currentlabelname\@empty
13577          #2%
13578        \fi
13579      }%
13580    }%
13581    \CheckCommand*{\LT@p@RTLfnttext}[1]{%
13582      \edef\@tempa{%

```



```

13583     \the\LT@p@ftn
13584     \noexpand\RTLfootnotetext[\the\c@footnote]%
13585   }%
13586   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
13587 }%
13588 \long\def\LT@p@RTLftntext#1{%
13589   \edef\@tempa{%
13590     \the\LT@p@ftn
13591     \begingroup
13592       \noexpand\c@footnote=\the\c@footnote\relax
13593       \noexpand\protected@xdef\noexpand\@thefnmark{%
13594         \noexpand\thempfn
13595       }%
13596       \noexpand\Hy@LT@RTLfootnotetext{%
13597         \Hy@footnote@currentHref
13598       }%
13599     }%
13600   \global\LT@p@ftn\expandafter{%
13601     \@tempa{#1}%
13602   \endgroup
13603 }%
13604 }%
13605 \long\def\Hy@LT@RTLfootnotetext#1#2{%
13606   \HRTL@RTLfootnotetext{%
13607     \ifHy@nesting
13608       \hyper@@anchor{#1}{#2}%
13609     \else
13610       \Hy@raisedlink{%
13611         \hyper@@anchor{#1}{\relax}%
13612       }%
13613       \def\@currentHref{#1}%
13614       \let\@currentlabelname\@empty
13615       #2%
13616     \fi
13617   }%
13618 }%
13619 }{}%
13620 \@ifpackageloaded{bidipoem}{%
13621   \long\def\bidipoem@p@ftntext#1{%
13622     \edef\@tempx{%
13623       \the\bidipoem@p@ftn
13624       \begingroup
13625         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
13626         \noexpand\protected@xdef\noexpand\@thefnmark{%
13627           \noexpand\thempfn
13628         }%
13629         \noexpand\Hy@bidipoem@footnotetext{%
13630           \Hy@footnote@currentHref
13631         }%
13632       }%
13633     \global\bidipoem@p@ftn\expandafter{%
13634       \@tempx{#1}%
13635     \endgroup
13636   }%

```



```

13637 }%
13638 \long\def\Hy@bidipoem@footnotetext#1#2{%
13639   \H@@footnotetext{%
13640     \ifHy@nesting
13641       \hyper@@anchor{#1}{#2}%
13642     \else
13643       \Hy@raisedlink{%
13644         \hyper@@anchor{#1}{\relax}%
13645       }%
13646       \def\@currentHref{#1}%
13647       \let\@currentlabelname\@empty
13648       #2%
13649     \fi
13650   }%
13651 }%
13652   \long\def\bidipoem@p@LTRftntext#1{%
13653   \edef\@tempxi{%
13654     \the\bidipoem@p@ftn
13655     \begingroup
13656       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
13657       \noexpand\protected@xdef\noexpand\@thefnmark{%
13658         \noexpand\thempfn
13659       }%
13660       \noexpand\Hy@bidipoem@LTRfootnotetext{%
13661         \Hy@footnote@currentHref
13662       }%
13663     }%
13664     \global\bidipoem@p@ftn\expandafter{%
13665       \@tempxi{#1}%
13666     \endgroup
13667   }%
13668 }%
13669 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
13670   \HLTR@@LTRfootnotetext{%
13671     \ifHy@nesting
13672       \hyper@@anchor{#1}{#2}%
13673     \else
13674       \Hy@raisedlink{%
13675         \hyper@@anchor{#1}{\relax}%
13676       }%
13677       \def\@currentHref{#1}%
13678       \let\@currentlabelname\@empty
13679       #2%
13680     \fi
13681   }%
13682 }%
13683   \long\def\bidipoem@p@RTLftntext#1{%
13684   \edef\@tempxii{%
13685     \the\bidipoem@p@ftn
13686     \begingroup
13687       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
13688       \noexpand\protected@xdef\noexpand\@thefnmark{%
13689         \noexpand\thempfn
13690       }%

```



```

13691         \noexpand\Hy@bidipoem@RTLfootnotetext{%
13692             \Hy@footnote@currentHref
13693         }%
13694     }%
13695     \global\bidipoem@p@ftn\expandafter{%
13696         \@tempxi{#1}%
13697     \endgroup
13698     }%
13699     }%
13700     \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
13701         \HRTL@@RTLfootnotetext{%
13702             \ifHy@nesting
13703                 \hyper@@anchor{#1}{#2}%
13704             \else
13705                 \Hy@raisedlink{%
13706                     \hyper@@anchor{#1}{\relax}%
13707                 }%
13708                 \def\@currentHref{#1}%
13709                 \let\@currentlabelname\@empty
13710                 #2%
13711             \fi
13712         }%
13713     }%
13714     }{}%
13715     \let\HyOrg@maketitle\maketitle
13716     \def\maketitle{%
13717         \let\Hy@saved@footnotemark\@footnotemark
13718         \let\Hy@saved@footnotetext\@footnotetext
13719         \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
13720         \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
13721         \let\@footnotemark\H@@footnotemark
13722         \let\@footnotetext\H@@footnotetext
13723         \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
13724         \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
13725         \@ifnextchar[\Hy@maketitle@optarg{% ]
13726             \HyOrg@maketitle
13727             \Hy@maketitle@end
13728         }%
13729     }%
13730     \def\Hy@maketitle@optarg[#1]{%
13731         \HyOrg@maketitle[#{#1}]%
13732         \Hy@maketitle@end
13733     }%
13734     \def\Hy@maketitle@end{%
13735         \ifx\@footnotemark\H@@footnotemark
13736             \let\@footnotemark\Hy@saved@footnotemark
13737             \fi
13738         \ifx\@footnotetext\H@@footnotetext
13739             \let\@footnotetext\Hy@saved@footnotetext
13740             \fi
13741         \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
13742             \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
13743             \fi
13744         \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext

```



```

13745     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
13746     \fi
13747   }%
13748   \def\realfootnote{%
13749     \@ifnextchar[\@xfootnote{%
13750       \stepcounter{\@mpfn}%
13751       \protected@xdef\@thefnmark{\thempfn}%
13752       \H@@footnotemark\H@@footnotetext
13753     }%
13754   }%
13755 \fi
13756 \def\Hy@BeginAnnot#1{%
13757   \ifmmode\else\beginL\fi%
13758   \global\advance\c@Hy@AnnotLevel\@ne
13759   \ifnum\c@Hy@AnnotLevel=\@ne
13760     #1%
13761   \fi
13762 }
13763 \def\Hy@endAnnot{%
13764   \ifnum\c@Hy@AnnotLevel=\@ne
13765     \Hy@endcolorlink
13766     \@pdfm@mark{eann}%
13767   \fi
13768   \global\advance\c@Hy@AnnotLevel\m@ne
13769   \ifmmode\else\endL\fi%
13770 }
13771 \def\hyper@link#1#2#3{%
13772   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi
13773 }
13774 \def\hyper@linkfile#1#2#3{%
13775   \leavevmode
13776   \Hy@BeginAnnot{%
13777     \def\Hy@pstringF{#2}%
13778     \Hy@CleanupFile\Hy@pstringF
13779     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
13780     \Hy@pstringdef\Hy@pstringD{#3}%
13781     \Hy@MakeRemoteAction
13782     \@pdfm@mark{%
13783       bann<<%
13784       /Type/Annot%
13785       /Subtype/Link%
13786       \ifHy@pdfa /F 4\fi
13787       \Hy@setpdfborder
13788       \ifx\@filebordercolor\relax
13789       \else
13790         /C[\@filebordercolor]%
13791       \fi
13792       /A<<%
13793       /S/GoToR%
13794       /F(\Hy@pstringF)%
13795       /D%
13796       \ifx\@#3\%
13797         [\Hy@href@page\@pdfremotestartview]%
13798       \else

```




```

13799         (\Hy@pstringD)%
13800         \fi
13801         \Hy@SetNewWindow
13802         \Hy@href@nextactionraw
13803         >>%
13804     >>%
13805 }%
13806 \Hy@colorlink\@filecolor
13807 }%
13808 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13809 \Hy@EndAnnot
13810 }
13811 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
13812 \leavevmode
13813 \Hy@BeginAnnot{%
13814 \Hy@pstringdef\Hy@pstringF{#1}%
13815 \Hy@pstringdef\Hy@pstringP{#3}%
13816 \@pdfm@mark{%
13817 bann<<%
13818 /Type/Annot%
13819 /Subtype/Link%
13820 \ifHy@pdfa /F 4\fi
13821 \Hy@setpdfborder
13822 \ifx\@runbordercolor\relax
13823 \else
13824 /C[\@runbordercolor]%
13825 \fi
13826 /A<<%
13827 /F(\Hy@pstringF)%
13828 /S/Launch%
13829 \Hy@SetNewWindow
13830 \ifx\#3\%
13831 \else
13832 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
13833 \fi
13834 \Hy@href@nextactionraw
13835 >>%
13836 >>%
13837 }%
13838 \Hy@colorlink\@runcolor
13839 }%
13840 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13841 \Hy@EndAnnot
13842 }
13843 \def\hyper@linkurl#1#2{%
13844 \leavevmode
13845 \Hy@BeginAnnot{%
13846 \Hy@pstringdef\Hy@pstringURI{#2}%
13847 \@pdfm@mark{%
13848 bann<<%
13849 /Type/Annot%
13850 /Subtype/Link%
13851 \ifHy@pdfa /F 4\fi
13852 \Hy@setpdfborder

```



```

13853     \ifx\@urlbordercolor\relax
13854     \else
13855         /C[\@urlbordercolor]%
13856     \fi
13857     /A<<%
13858     /S/URI%
13859     /URI(\Hy@pstringURI)%
13860     \ifHy@href@ismap
13861         /IsMap true%
13862     \fi
13863     \Hy@href@nextactionraw
13864     >>%
13865     >>%
13866     }%
13867     \Hy@colorlink\@urlcolor
13868 }%
13869 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13870 \Hy@EndAnnot
13871 }
13872 \def\Acrobatmenu#1#2{%
13873     \Hy@Acrobatmenu{#1}{#2}{%
13874         \Hy@BeginAnnot{%
13875             \EdefEscapeName\Hy@temp@menu{#1}%
13876             \@pdfm@mark{%
13877                 bann<<%
13878                 /Type/Annot%
13879                 /Subtype/Link%
13880                 \ifHy@pdfa /F 4\fi
13881                 \Hy@setpdfborder
13882                 \ifx\@menubordercolor\relax
13883                 \else
13884                     /C[\@menubordercolor]%
13885                 \fi
13886                 /A<<%
13887                 /S/Named%
13888                 /N/\Hy@temp@menu
13889                 \Hy@href@nextactionraw
13890                 >>%
13891                 >>%
13892             }%
13893             \Hy@colorlink\@menucolor
13894         }%
13895         \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13896         \Hy@EndAnnot
13897     }%
13898 }
13899 \def\hyper@natlinkstart#1{%
13900     \Hy@backout{#1}%
13901     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
13902     \def\hyper@nat@current{#1}%
13903 }
13904 \def\hyper@natlinkend{%
13905     \if@RTL\endR\fi\hyper@linkend
13906 }

```



```

13907 \def\hyper@natlinkbreak#1#2{%
13908   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
13909 }%
13910 }
13911 \pdfstringdefDisableCommands{%
13912   \let\LRE\@firstofone
13913   \let\LR\@firstofone
13914   \let\RLE\@firstofone
13915   \let\RL\@firstofone
13916   \def\XeTeX{Xe\TeX}%
13917   \def\XeLaTeX{Xe\LaTeX}%
13918 }
13919 \@ifpackageloaded{longtable}{%
13920   \begingroup
13921     \def\y{\LT@array}%
13922     \ifundefined{scr@LT@array}{%
13923       \ifundefined{adl@LT@array}{%{\def\y{adl@LT@array}}%
13924     }{\def\y{scr@LT@array}}%
13925     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
13926       \expandafter\endgroup
13927       \expandafter\def\y[##1]##2{%
13928         \H@refstepcounter{#1}%
13929         \hyper@makecurrent{table}%
13930         \let\Hy@LT@currentHref\@currentHref
13931         #2\@sharp####4%
13932       }%
13933     }%
13934     \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
13935     \begingroup
13936       \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
13937         \endgroup
13938         \def\LT@start{%
13939           #1%
13940           \ifvoid\LT@foot#2\fi
13941           \let\@currentHref\Hy@LT@currentHref
13942           \Hy@raisedlink{%
13943             \hyper@anchorstart{\@currentHref}\hyper@anchorend
13944           }%
13945           #3%
13946         }%
13947       }%
13948       \expandafter\x\LT@start\@nil
13949     }{}
13950     \bidi@patchcmd\@TextField{%
13951       \@pdfm@mark
13952     }{%
13953       \if@RTL
13954         \hskip\Fld@width
13955       \fi
13956       \@pdfm@mark
13957     }{}{}
13958     \bidi@patchcmd\@TextField{%
13959       \unhbox
13960     }{%

```



```

13961 \if@RTL
13962 \hskip-\Fld@width
13963 \fi
13964 \unhbox
13965 }{}{}
13966 \bidi@patchcmd\@@Radio{%
13967 \@pdfm@mark
13968 }{%
13969 \if@RTL
13970 \hskip\Fld@width
13971 \fi
13972 \@pdfm@mark
13973 }{}{}
13974 \bidi@patchcmd\@@Radio{%
13975 \unhcopy
13976 }{%
13977 \if@RTL
13978 \hskip-\Fld@width
13979 \fi
13980 \unhcopy
13981 }{}{}
13982 \bidi@patchcmd\@Submit{%
13983 \@pdfm@mark
13984 }{%
13985 \if@RTL
13986 \null
13987 \hskip\wd\pdfm@box
13988 \fi
13989 \@pdfm@mark
13990 }{}{}
13991 \bidi@patchcmd\@Submit{%
13992 \unhbox
13993 }{%
13994 \if@RTL
13995 \hskip-\wd\pdfm@box
13996 \fi
13997 \unhbox
13998 }{}{}
13999 \bidi@patchcmd\@Reset{%
14000 \@pdfm@mark
14001 }{%
14002 \if@RTL
14003 \null
14004 \hskip\wd\pdfm@box
14005 \fi
14006 \@pdfm@mark
14007 }{}{}
14008 \bidi@patchcmd\@Reset{%
14009 \unhbox
14010 }{%
14011 \if@RTL
14012 \hskip-\wd\pdfm@box
14013 \fi
14014 \unhbox

```



14015 }{}{}

83 File imspdoc-xetex-bidi.def

```

14016 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for
14017 \newenvironment{thebibliography}[1]{%
14018   \@bibtitlestyle
14019   \normalfont\bibliofont\labelsep .5em\relax
14020   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
14021   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14022   \bidi@thebibliography@font@hook
14023   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
14024     \leftmargin\labelwidth \advance\leftmargin\labelsep
14025     \usecounter{enumiv}}%
14026   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
14027   \sfcode`\.=\@m
14028 }{}%
14029 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
14030 \endlist
14031 }
14032
14033 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
14034   \columnseprule\z@ \columnsep 35\p@
14035   \@indextitlestyle
14036   \thispagestyle{plain}%
14037   \let\item\@idxitem
14038   \parindent\z@ \parskip\z@\@plus.3\p@\relax
14039   \if@RTL\raggedleft\else\raggedright\fi
14040   \hyphenpenalty\@M
14041   \footnotesize}
14042 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
14043 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
14044 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
14045
14046 \def\right@footnoterule{%
14047   \kern-.4\p@
14048   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
14049   \kern11\p@\kern-\footnotesep}
14050 \def\left@footnoterule{\kern-.4\p@
14051   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
14052 \def\@makefnmark{%
14053   \leavevmode
14054   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
14055 }
14056
14057 \def\part{\@startsection{part}{0}%
14058   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
14059   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
14060 \def\@tocline#1#2#3#4#5#6#7{\relax
14061   \ifnum #1>\c@tocdepth % then omit
14062   \else
14063     \par \addpenalty\@secpenalty\addvspace{#2}%
14064     \begingroup \hyphenpenalty\@M
14065     \@ifempty{#4}{%

```



```

14066 \@tempdima\csname r@tocindent\number#1\endcsname\relax
14067 }{%
14068 \@tempdima#4\relax
14069 }%
14070 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
14071 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14072 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
14073 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
14074 \nobreak
14075 \endgroup
14076 \fi}
14077 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
14078 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
14079 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
14080 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
14081 \def\maketitle{\par
14082 \@topnum\z@ % this prevents figures from falling at the top of page 1
14083 \@setcopyright
14084 \thispagestyle{firstpage}% this sets first page specifications
14085 \uppercasenonmath\shorttitle
14086 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
14087 \else \andify\shortauthors
14088 \fi
14089 \@maketitle@hook
14090 \begingroup
14091 \@maketitle
14092 \toks@{\xp{\shortauthors}\@temptokena\@xp{\shorttitle}}%
14093 \toks4{\def\\{\ignorespaces}}% defend against questionable usage
14094 \edef\@tempa{%
14095 \nx\markboth{\the\toks4
14096 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
14097 \@tempa
14098 \endgroup
14099 \c@footnote\z@
14100 \cleartopmattertags
14101 }

```

84 File leqno-xetex-bidi.def

```

14102 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
14103 \renewcommand\@eqnnum{\hbxt@.01p@{}}%
14104 \rlap{\hskip -\displaywidth
14105 {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

85 File letter-xetex-bidi.def

```

14106 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
14107 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
14108 \thispagestyle{firstpage}%
14109 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
14110 \else % home address
14111 \thispagestyle{empty}%
14112 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
14113 \fromaddress \[*[2\parskip]%

```



```

14114 \end{tabular}\par}%
14115 \fi
14116 \vspace{2\parskip}%
14117 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
14118 \vspace{2\parskip}%
14119 #1\par\nobreak}
14120 \renewcommand\left@footnoterule{%
14121 \kern-\p@
14122 \hrule \@width .4\columnwidth
14123 \kern .6\p@}
14124 \renewcommand\right@footnoterule{%
14125 \kern-\p@
14126 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14127 \kern .6\p@}

```

86 File lettrine-xetex-bidi.def

```

14128 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package]
14129 \def\@lettrine[#1]#2#3{%
14130 \def\l@initial{#2}\let\l@refstring\l@initial
14131 \setcounter{L@lines}{\value{DefaultLines}}%
14132 \setcounter{L@depth}{\value{DefaultDepth}}%
14133 \renewcommand*{\L@hang}{\DefaultLhang}%
14134 \renewcommand*{\L@oversize}{\DefaultLoversize}%
14135 \renewcommand*{\L@raise}{\DefaultLraise}%
14136 \renewcommand*{\L@ante}{}%
14137 \setlength{\L@Findent}{\DefaultFindent}%
14138 \setlength{\L@Nindent}{\DefaultNindent}%
14139 \setlength{\L@slope}{\DefaultSlope}%
14140 \setlength{\L@novskip}{\DiscardVskip}%
14141 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
14142 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
14143 \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
14144 \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
14145 \setkeys{L}{#1}%
14146 \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
14147 \ifL@realh
14148 \def\@tempa{#3}%
14149 \ifx\@tempa\@empty
14150 \PackageWarning{lettrine.sty}%
14151 {Empty second argument,\MessageBreak
14152 ignoring option `realheight';}%
14153 \else
14154 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
14155 \fi
14156 \fi
14157 \if\DefaultOptionsFile\relax
14158 \else
14159 \begingroup
14160 \InputIfFileExists{\DefaultOptionsFile}%
14161 {}%
14162 {\PackageWarning{lettrine.sty}%
14163 {File \DefaultOptionsFile\space not found}}%
14164 }%

```



```

14165 \def\color##1##{\l@color{##1}}%
14166 \let\l@color\@gobbletwo
14167 \def\textcolor##1##{\l@textcolor{##1}}%
14168 \def\l@textcolor##1##2##3{##3}%
14169 \expandafter\ifx\csname l@#2-keys\endcsname\relax
14170 \gdef\l@LOKeys{%
14171 \else
14172 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
14173 \fi
14174 \endgroup
14175 \def\KV@prefix{KV@L@}%
14176 \let\@tempc\relax
14177 \expandafter\KV@do\l@LOKeys,\relax,
14178 \setupL@lbox
14179 \setlength{\LettrineWidth}{\wd\L@lbox}%
14180 \def\KV@prefix{KV@L@}%
14181 \let\@tempc\relax
14182 \expandafter\KV@do\l@LOKeys,\relax,
14183 \setkeys{L}{#1}%
14184 \fi
14185 \setupL@lbox
14186 \setlength{\LettrineWidth}{\wd\L@lbox}%
14187 \setlength{\LettrineHeight}{\ht\L@lbox}%
14188 \setlength{\LettrineDepth}{\dp\L@lbox}%
14189 \begingroup
14190 \def\IeC##1{##1}%
14191 \@tempdima=\L@oversize pt\relax
14192 \PackageInfo{lettrine.sty}%
14193 {Targeted height = \the\L@target@tth\MessageBreak
14194 (no accent, loversize=0),\MessageBreak
14195 Lettrine height = \the\LettrineHeight\space (#2)%
14196 \ifdim\@tempdima=\z@else\space loversize=\L@oversize\fi;%
14197 \MessageBreak reported}%
14198 \endgroup
14199 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
14200 \setlength{\L@first}{\LettrineHeight}%
14201 \setlength{\L@lraise}{\L@raise\L@target@tth}%
14202 \addtolength{\L@first}{\L@lraise}%
14203 \ifnum\value{L@lines}=1
14204 \addtolength{\L@first}{-\ht\L@tbox}%
14205 \else
14206 \addtolength{\L@first}{-\L@target@tth}%
14207 \addtolength{\L@lraise}{-\L@target@dp}%
14208 \fi
14209 \par
14210 \ifdim\L@first>\L@novskip
14211 \ifL@grid
14212 \@tempdima=\baselineskip
14213 \@tempdimb=\@tempdima
14214 \advance\@tempdimb by \L@novskip
14215 \@tempcnta=1
14216 \loop\ifdim\L@first>\@tempdimb
14217 \advance\@tempcnta by 1
14218 \advance\L@first by -\@tempdima

```




```

14219     \repeat
14220     \L@first=\@tempcnta\baselineskip
14221   \fi
14222   \vskip\L@first
14223 \fi
14224 \setlength{\L@Pindent}{\wd\L@lbox}%
14225 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
14226 \settowidth{\L@first}{\L@ante}%
14227 \addtolength{\L@Pindent}{\L@first}%
14228 \addtolength{\L@Pindent}{\L@Findent}%
14229 \setlength{\L@first}{\linewidth}%
14230 \addtolength{\L@first}{-\L@Pindent}%
14231 \addtolength{\L@Nindent}{\L@Pindent}%
14232 \setlength{\L@next}{\linewidth}%
14233 \addtolength{\L@next}{-\L@Nindent}%
14234 \addtolength{\L@Pindent}{\@totalleftmargin}%
14235 \addtolength{\L@Nindent}{\@totalleftmargin}%
14236 \addtocounter{L@lines}{1}%
14237 \addtocounter{L@lines}{\value{L@depth}}%
14238 \if@RTL
14239   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
14240 \else
14241   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
14242 \fi
14243 \@tempcnta=\tw@
14244 \@whilenum \@tempcnta<\c@L@lines\do{%
14245   \if@RTL
14246     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
14247   \else
14248     \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
14249   \fi
14250   \addtolength{\L@Nindent}{\L@slope}%
14251   \addtolength{\L@next}{-\L@slope}%
14252   \advance\@tempcnta\@ne}%
14253 \if@RTL
14254   \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
14255 \else
14256   \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
14257 \fi
14258 \noindent
14259 \parshape=\L@parshape\relax
14260 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
14261   \hskip \the\L@Findent}}%
14262 \usebox{\L@tbox}%
14263 \ifnum\@listdepth>0 \Lreset@listparshape \fi
14264 }

```

87 File `lineno-xetex-bidi.def`

```

14265 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for
14266 \bidi@patchcmd{\MakeLineNo}{%
14267   \hb@xt@\z@{\makeLineNumber}%
14268 }{%
14269   \hboxL to \z@{\makeLineNumber}%

```



```

14270 }{}{}
14271
14272 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
14273   \if@RTL
14274     \hb@xt@\linenumberwidth{\LineNumber\hss}%
14275   \else
14276     \LineNumber
14277   \fi
14278 }{}{}
14279
14280 \bidi@patchcmd{\makeLineNumberRight}{%
14281   \hb@xt@\linenumberwidth{\hss\LineNumber}%
14282 }{}%
14283   \if@RTL
14284     \LineNumber
14285   \else
14286     \hb@xt@\linenumberwidth{\hss\LineNumber}%
14287   \fi
14288 }{}{}
14289
14290 \bidi@AfterPreamble{%
14291   \if@RTLmain
14292     \rightlinenumbers*
14293   \else
14294     \leftlinenumbers*
14295   \fi
14296   \@ifpackagewith{lineno}{left}{%
14297     \leftlinenumbers*
14298   }{}
14299   \@ifpackagewith{lineno}{right}{%
14300     \rightlinenumbers*
14301   }{}
14302 }
14303

```

88 File listings-xetex-bidi.def

```

14304 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
14305 \lst@Key{captiondirection}{texdirection}{%
14306   \lstKV@SwitchCases{#1}%
14307   {texdirection:\\%
14308     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
14309     LTR:\chardef\bidi@lst@caption@direction\z@%
14310   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
14311
14312 \lst@Key{captionscript}{textscript}{%
14313   \lstKV@SwitchCases{#1}%
14314   {textscript:\\%
14315     latin:\chardef\bidi@lst@caption@script\@ne\\%
14316     nonlatin:\chardef\bidi@lst@caption@script\z@%
14317   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
14318
14319 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
14320   \@ifundefined{bidi@lst@caption@direction}{\%

```



```

14321 \ifnum\bidilst@caption@direction=\z%
14322   #1%
14323 \else%
14324   \ifnum\bidilst@caption@direction=\@ne%
14325     #2%
14326   \fi%
14327 \fi%
14328 }}
14329
14330 \newcommand*{\bidilst@ensure@caption@script}[2]{%
14331 \ifundefined{bidilst@caption@script}{\{}{%
14332 \ifnum\bidilst@caption@script=\z%
14333   #1%
14334 \else%
14335   \ifnum\bidilst@caption@script=\@ne%
14336     #2%
14337   \fi%
14338 \fi%
14339 }}
14340
14341 \long\def\@bidilst@makecaption#1#2{%
14342 \bidilst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
14343 \vskip\abovecaptionskip
14344 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14345 \sbox\@tempboxa{%
14346 \bidilst@ensure@caption@direction{\beginL}{\beginR}%
14347 #1: #2%
14348 \bidilst@ensure@caption@direction{\endL}{\endR}%
14349 }%
14350 \ifdim \wd\@tempboxa >\hsize
14351   #1: #2\par
14352 \else
14353   \global \@minipagefalse
14354   \hbext@\hsize{\hfil\box\@tempboxa\hfil}%
14355 \fi
14356 \vskip\belowcaptionskip}%
14357 \def\lst@makecaption{\@bidilst@makecaption}
14358 \def\lst@maketitle{\@bidilst@makecaption\lst@title@dropdelim}
14359 \bidilst@AtEndPreamble{%
14360 \bidilst@patchcmd{\lst@MakeCaption}{%
14361 \ifx #1t%
14362 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
14363 \expandafter\refstepcounter
14364 \fi \lstlisting}%
14365 }{%
14366 \ifx #1t%
14367 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14368 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
14369 \expandafter\refstepcounter
14370 \fi \lstlisting}%
14371 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
14372 }{}{}%
14373 \bidilst@patchcmd{\lst@MakeCaption}{%
14374 \addcontentsline{lol}{lstlisting}%

```



```

14375             {\protect\numberline{\thelstlisting}\lst@caption}%
14376 }{%
14377 \begingroup%
14378             \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14379             \addcontentsline{lol}{lstlisting}%
14380             {\protect\numberline{\thelstlisting}\lst@caption}%
14381 \endgroup%
14382 }{}{}%
14383 }
14384 \@ifpackageloaded{caption}{%
14385   \AtBeginCaption{%
14386     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
14387     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14388   }
14389   \let\@bidi@lst@makecaption\caption@makecaption%
14390   \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
14391   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
14392 }{%
14393 \AtBeginDocument{%
14394   \@ifundefined{captionlabelfalse}{}{}%
14395   \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
14396 \@ifundefined{caption@startrue}{}{}%
14397 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
14398 }%
14399 }
14400 \AtBeginDocument{
14401   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
14402   \lst@ifnumberbychapter
14403     \gdef\thelstlisting%
14404     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
14405   \else
14406     \gdef\thelstlisting{\@arabic\c@lstlisting}
14407   \fi}

```

89 File loadingorder-xetex-bidi.def

```

14408 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the las
14409 \bidi@isloaded{amsmath}
14410 \bidi@isloaded{amstext}
14411 \bidi@isloaded{amsthm}
14412 \bidi@isloaded{animate}
14413 \bidi@isloaded{breqn}
14414 \bidi@isloaded{cals}
14415 \bidi@isloaded{caption}
14416 \bidi@isloaded{crop}
14417 \bidi@isloaded{cuted}
14418 \bidi@isloaded{cutwin}
14419 \bidi@isloaded{color}
14420 \bidi@isloaded{dblfnote}
14421 \bidi@isloaded{diagbox}
14422 \bidi@isloaded{xcolor}
14423 \bidi@isloaded{colortbl}
14424 \bidi@isloaded{float}
14425 \bidi@isloaded{floatrow}

```



```

14426 \bidi@isloaded{flowfram}
14427 \bidi@isloaded{framed}
14428 \bidi@isloaded{ftnright}
14429 \bidi@isloaded{xltextra}
14430 \bidi@isloaded{xunicode}
14431 \bidi@isloaded{wrapfig}
14432 \bidi@isloaded{graphicx}
14433 \bidi@isloaded{geometry}
14434 \bidi@isloaded{hvfloat}
14435 \bidi@isloaded{mdframed}
14436 \bidi@isloaded{midfloat}
14437 \bidi@isloaded{ntheorem}
14438 \bidi@isloaded{ntheorem-hyper}
14439 \bidi@isloaded{hyperref}
14440 \bidi@isloaded{fancybox}
14441 \bidi@isloaded{fancyhdr}
14442 \bidi@isloaded{fix2col}
14443 \bidi@isloaded{draftwatermark}
14444 \bidi@isloaded{empheq}
14445 \bidi@isloaded{overpic}
14446 \bidi@isloaded{pdfpages}
14447 \bidi@isloaded{listings}
14448 \bidi@isloaded{lettrine}
14449 \bidi@isloaded{lineno}
14450 \bidi@isloaded{media9}
14451 \bidi@isloaded{pstricks}
14452 \bidi@isloaded{pgf}
14453 \bidi@isloaded{picinpar}
14454 \bidi@isloaded{quotchap}
14455 \bidi@isloaded{tikz}
14456 \bidi@isloaded{titlesec}
14457 \bidi@isloaded{titletoc}
14458 \bidi@isloaded{array}
14459 \bidi@isloaded{soul}
14460 \bidi@isloaded{stabular}
14461 \bidi@isloaded{subfig}
14462 \bidi@isloaded{subfigure}
14463 \bidi@isloaded{supertabular}
14464 \bidi@isloaded{xtab}
14465 \bidi@isloaded{longtable}
14466 \bidi@isloaded{arydshln}
14467 \bidi@isloaded{multicol}
14468 \bidi@isloaded{multienum}
14469 \bidi@isloaded{minitoc}
14470 \bidi@isloaded{natbib}
14471 \bidi@isloaded{newfloat}
14472 \bidi@isloaded{ragged2e}
14473 \bidi@isloaded{rotating}
14474 \bidi@isloaded{tabls}
14475 \bidi@isloaded{tabulary}
14476 \bidi@isloaded{tocbasic}
14477 \bidi@isloaded{tocstyle}
14478 \bidi@isloaded{tocbibind}
14479 \bidi@isloaded{fontspec}

```



```

14480 \bidi@isloaded{arabxetex}
14481 \bidi@isloaded{polyglossia}
14482 \bidi@isloaded{fancyvrb}
14483 \AtBeginDocument{
14484   \if@bidi@amsmathloaded@else
14485     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pack
14486   \fi%
14487   \if@bidi@amstextloaded@else
14488     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pack
14489   \fi%
14490   \if@bidi@amsthmloaded@else
14491     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packa
14492   \fi%
14493   \if@bidi@animateloaded@else
14494     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pack
14495   \fi%
14496   \if@bidi@breqnloaded@else
14497     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
14498   \fi%
14499   \if@bidi@calsloaded@else
14500     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package
14501   \fi%
14502   \if@bidi@captionloaded@else
14503     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pack
14504   \fi%
14505   \if@bidi@croploaded@else
14506     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
14507   \fi%
14508   \if@bidi@colorloaded@else
14509     \@ifpackageloaded{hyperref}{\fi%
14510     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
14511   \fi%
14512   \if@bidi@cutwinloaded@else
14513     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packa
14514   \fi%
14515   \if@bidi@cutedloaded@else
14516     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
14517   \fi%
14518   \if@bidi@dblfnloaded@else
14519     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
14520   \fi%
14521   \if@bidi@diagboxloaded@else
14522     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
14523   \fi%
14524   \if@bidi@xcolorloaded@else
14525     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packa
14526   \fi%
14527   \if@bidi@colortblloaded@else
14528     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
14529   \fi%
14530   \if@bidi@floatloaded@else
14531     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
14532   \fi%
14533   \if@bidi@floatrowloaded@else

```



```

14534     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
14535 \fi%
14536 \if@bidi@flowframloaded@else
14537     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
14538 \fi%
14539 \if@bidi@framedloaded@else
14540     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
14541 \fi%
14542 \if@bidi@ftnrightloaded@else
14543     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pac
14544 \fi%
14545 \if@bidi@xltxtraloaded@else
14546     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi pack
14547 \fi%
14548 \if@bidi@xunicodeloaded@else
14549     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pac
14550 \fi%
14551 \if@bidi@wrapfigloaded@else
14552     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
14553 \fi%
14554 \if@bidi@graphicxloaded@else
14555     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pac
14556 \fi%
14557 \if@bidi@geometryloaded@else
14558     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pac
14559 \fi%
14560 \if@bidi@hvfloatloaded@else
14561     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
14562 \fi%
14563 \if@bidi@mdframedloaded@else
14564     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pac
14565 \fi%
14566 \if@bidi@midfloatloaded@else
14567     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pac
14568 \fi%
14569 \if@bidi@ntheoremloaded@else
14570     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pac
14571 \fi%
14572 \if@bidi@hyperrefloaded@else
14573     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pac
14574 \fi%
14575 \if@bidi@fancyboxloaded@else
14576     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pac
14577 \fi%
14578 \if@bidi@fancyhdrloaded@else
14579     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pac
14580 \fi%
14581 \if@bidi@draftwatermarkloaded@else
14582     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
14583 \fi%
14584 \if@bidi@empheqloaded@else
14585     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
14586 \fi%
14587 \if@bidi@overpicloaded@else

```



```

14588     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
14589 \fi%
14590 \if@bidi@pdfpagesloaded@else
14591     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pac
14592 \fi%
14593 \if@bidi@lettrineloaded@else
14594     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pac
14595 \fi%
14596 \if@bidi@linenoloaded@else
14597     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
14598 \fi%
14599 \if@bidi@listingsloaded@else
14600     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
14601 \fi%
14602 \csname if@bidi@media9loaded@\endcsname\else
14603     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
14604 \fi%
14605 \if@bidi@pstricksloaded@else
14606     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
14607 \fi%
14608 \if@bidi@pgfloaded@else
14609     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
14610 \fi%
14611 \if@bidi@picinparloaded@else
14612     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
14613 \fi%
14614 \if@bidi@quotchaploaded@else
14615     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
14616 \fi%
14617 \if@bidi@tikzloaded@else
14618     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
14619 \fi%
14620 \if@bidi@titlesecloaded@else
14621     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
14622 \fi%
14623 \if@bidi@titletocloaded@else
14624     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
14625 \fi%
14626 \if@bidi@arrayloaded@else
14627     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
14628 \fi%
14629 \if@bidi@stabularloaded@else
14630     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
14631 \fi%
14632 \if@bidi@soulloaded@else
14633     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
14634 \fi%
14635 \if@bidi@subfigloaded@else
14636     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
14637 \fi%
14638 \if@bidi@subfigureloaded@else
14639     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
14640 \fi%
14641 \if@bidi@supertabularloaded@else

```




```

14642 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
14643 \fi%
14644 \if@bidi@xtabloaded@else
14645 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
14646 \fi%
14647 \if@bidi@longtableloaded@else
14648 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pa
14649 \fi%
14650 \if@bidi@arydshlnloaded@else
14651 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pac
14652 \fi%
14653 \if@bidi@multicolloaded@else
14654 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pac
14655 \fi%
14656 \if@bidi@multienumloaded@else
14657 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pa
14658 \fi%
14659 \if@bidi@minitocloaded@else
14660 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pack
14661 \fi%
14662 \if@bidi@natbibloaded@else
14663 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
14664 \fi%
14665 \if@bidi@newfloatloaded@else
14666 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pac
14667 \fi%
14668 \csname if@bidi@ragged2loaded@endcsname\else
14669 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pac
14670 \fi%
14671 \if@bidi@rotatingloaded@else
14672 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pac
14673 \fi%
14674 \if@bidi@tblsloaded@else
14675 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packag
14676 \fi%
14677 \if@bidi@tabularyloaded@else
14678 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pac
14679 \fi%
14680 \if@bidi@tocbasicloaded@else
14681 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pac
14682 \fi%
14683 \if@bidi@tocstyleloaded@else
14684 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pac
14685 \fi%
14686 \if@bidi@tocbibindloaded@else
14687 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa
14688 \fi%
14689 \if@bidi@fontspecloaded@else
14690 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pac
14691 \fi%
14692 \if@bidi@arabxetexloaded@else
14693 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
14694 \fi%
14695 \if@bidi@polyglossialloaded@else

```



```

14696     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
14697     \fi%
14698     \if@bidi@fancyvrbloaded@else
14699         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pac
14700     \fi%
14701 }

```

90 File longtable-xetex-bidi.def

```

14702 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
14703 \def\LT@array[#1]#2{%
14704     \refstepcounter{table}\stepcounter{LT@tables}%
14705     \if l#1%
14706         \if@RTLtab\LTleft\fill \LTright\z@else\LTleft\z@ \LTright\fill\fi
14707     \else\if r#1%
14708         \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
14709     \else\if c#1%
14710         \LTleft\fill \LTright\fill
14711     \fi\fi\fi
14712     \let\LT@mcol\multicolumn
14713     \let\LT@@tabarray\@tabarray
14714     \let\LT@@hl\hline
14715     \def\@tabarray{%
14716         \let\hline\LT@@hl
14717         \LT@@tabarray}%
14718     \let\\\LT@tabularcr\let\@tabularnewline\\%
14719     \def\newpage{\noalign{\break}}%
14720     \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
14721     \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
14722     \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
14723     \@tempdima\ht\strutbox
14724     \let\@endpbox\LT@endpbox
14725     \ifx\extrarowheight\@undefined
14726         \let\@acol\@tabacol
14727         \let\@classz\@tabclassz \let\@classiv\@tabclassiv
14728         \def\@startpbox{\vtop\LT@startpbox}%
14729         \let\@@startpbox\@startpbox
14730         \let\@@endpbox\@endpbox
14731         \let\LT@LL@FM@cr\@tabularcr
14732     \else
14733         \advance\@tempdima\extrarowheight
14734         \col@sep\@tabcolsep
14735         \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
14736     \fi
14737     \setbox\@arstrutbox\hbox{\vrule
14738         \@height \arraystretch \@tempdima
14739         \@depth \arraystretch \dp \strutbox
14740         \@width \z@}%
14741     \let\@sharp#\let\protect\relax
14742     \begingroup
14743     \mkpream{#2}%
14744     \xdef\LT@bchunk{%
14745         \global\advance\c@LT@chunks\@ne
14746         \global\LT@rows\z@\setbox\z@\vbox\bgroup

```



```

14747 \LT@setprevdepth
14748 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
14749 \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
14750 \endgroup
14751 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
14752 \LT@make@row
14753 \m@th\let\par\@empty
14754 \everycr{}\lineskip\z@\baselineskip\z@
14755 \LT@bchunk}
14756 \def\LT@makecaption#1#2#3{%
14757 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
14758 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
14759 \ifdim\wd\@tempboxa>\hsize
14760 #1{#2: }#3%
14761 \else
14762 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
14763 \fi
14764 \endgraf\vskip\baselineskip}%
14765 \hss}}}
14766 \ifpackageloaded{caption}{%
14767 \renewcommand\LT@makecaption[3]{%
14768 \caption@LT@make{%
14769 \caption@LT@settype\LTcaptype
14770 \caption@LT@setup
14771 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
14772 \caption@startrue#1\caption@starfalse
14773 \caption@prepare@stepcounter\LTcaptype
14774 \caption@begin\LTcaptype
14775 \caption@normalsize
14776 \vskip-\ht\strutbox
14777 \caption@ifdefined\FBifcapttop{%
14778 \let\caption@belowskip\@empty}{}%
14779 \caption@make@above
14780 \caption@@make{#2}{#3}\endgraf
14781 \caption@make@below
14782 \caption@end}}}%
14783 }{}
14784 \def\LT@startpbox#1{%
14785 \bgroup\color@begingroup
14786 \let\@footnotetext\LT@p@ftntext
14787 \let\@LTRfootnotetext\LT@p@LTRftntext
14788 \let\@RTLfootnotetext\LT@p@RTLftntext
14789 \setlength\hsize{#1}%
14790 \@arrayparboxrestore
14791 \vrule \@height \ht\@arstrutbox \@width \z@}
14792 \def\LT@p@LTRftntext#1{%
14793 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
14794 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
14795 \def\LT@p@RTLftntext#1{%
14796 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
14797 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
14798
14799
14800 \def\LT@output{%

```



```

14801 \ifnum\outputpenalty <-\@Mi
14802 \ifnum\outputpenalty > -\LT@end@pen
14803 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
14804 \else
14805 \setbox\z@\vbox{\unvbox\@cclv}%
14806 \ifdim \ht\LT@lastfoot>\ht\LT@foot
14807 \dimen@ \pagegoal
14808 \advance\dimen@-\ht\LT@lastfoot
14809 \ifdim\dimen@<\ht\z@
14810 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
14811 \@makecol
14812 \@outputpage
14813 \setbox\z@\vbox{\box\LT@head}%
14814 \fi
14815 \fi
14816 \global\@colroom\@colht
14817 \global\vsizel\@colht
14818 \vbox
14819 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot}
14820 \fi
14821 \else
14822 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot}
14823 \@makecol
14824 \@outputpage
14825 \global\vsizel\@colroom
14826 \copy\LT@head\nobreak
14827 \fi}

```

91 File lscape-xetex-bidi.def

```

14828 \ProvidesFile{lscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for lscape package for XeTeX]
14829 \bidi@patchcmd{\LS@rot}{\rotatebox{90}}{\box\@outputbox}}{%
14830 \if@RTL
14831 \rotatebox[origin=br]{-90}{\box\@outputbox}%
14832 \else
14833 \rotatebox{90}{\box\@outputbox}%
14834 \fi
14835 }{}{}
14836 \g@addto@macro{\landscape}{%
14837 \let\ bidi@left@footnoterule\left@footnoterule
14838 \let\ bidi@right@footnoterule\right@footnoterule
14839 \def\left@footnoterule{%
14840 \if@RTL
14841 \bidi@right@footnoterule
14842 \else
14843 \bidi@left@footnoterule
14844 \fi
14845 }%
14846 \def\right@footnoterule{%
14847 \if@RTL
14848 \bidi@left@footnoterule
14849 \else
14850 \bidi@right@footnoterule
14851 \fi

```



```

14852 }%
14853 }

```

92 File mathtools-xetex-bidi.def

```

14854 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools packa
14855 \MHInternalSyntaxOn
14856 \def\MT_define_tagform:nwnn #1[#2]#3#4{
14857   \@namedef{MT_tagform_#1:n}##1
14858     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@ \ignorespaces#2{##1}\unskip\@italiccorr#4}
14859 }
14860 \renewtagform{default}{\{()\}}
14861 \MHInternalSyntaxOff

```

93 File mdframed-xetex-bidi.def

```

14862 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package
14863 \newif\if@bidi@mdf@RTL
14864 \def\mdf@lrbox#1{%
14865   \mdf@patchamsthm%patch amsthm
14866   \if@RTL\@bidi@mdf@RTLtrue\fi%
14867   \@RTLfalse%
14868   \setbox#1\vbox\bgroup%
14869   \color@begingroup%
14870   \if@bidi@mdf@RTL\@RTLtrue\fi%
14871   \mdf@horizontalmargin@equation%
14872   \columnwidth=\hsize%
14873   \textwidth=\hsize%
14874   \let\if@nobreak\iffalse%
14875   \let\if@noskipsec\iffalse%
14876   \let\par\@par%
14877   \let\-\@dischyph%
14878   \let'\@acci\let`\@accii\let=\@acciii%
14879   \parindent\z@ \parskip\z@skip%
14880   \linewidth\hsize%
14881   \@totalleftmargin\z@%
14882   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
14883   \parfillskip\@flushglue \lineskip\normallineskip%
14884   \baselineskip\normalbaselineskip%
14885   %% \sloppy%
14886   \let\\\@normalcr%
14887   \mdf@par@local%New feature to restore parskip/parindent local in save box
14888   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
14889   \@afterindentfalse%
14890   %\@afterheading%
14891 }
14892 \renewrobustcmd\mdfframedtitleenv[1]{%
14893   \mdf@lrbox{\mdf@frametitlebox}%
14894   \mdf@frametitlealignment%
14895   \leavevmode{\color{\mdf@frametitlefontcolor}%
14896     \normalfont\mdf@frametitlefont{#1}
14897     \ifbool{mdf@ignorelastdescenders}%
14898       {%
14899         \par\strut\par

```



```

14900         \unskip\unskip\setbox0=\lastbox
14901         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
14902     }{}}%
14903     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
14904     \endmdf@lrbox\relax%
14905     \mdf@ignorevbadness%
14906     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
14907     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
14908     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
14909     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
14910     \mdfframetitleboxtotalheight=\dimexpr
14911         \ht\mdf@frametitlebox
14912         +\dp\mdf@frametitlebox%
14913         +\mdf@frametitleaboveskip@length
14914         +\mdf@frametitlebelowskip@length
14915     \relax%
14916 }
14917
14918 \renewrobustcmd*\mdf@footnoteoutput{%
14919     \ifvoid\@mpfootins\else%
14920         \nobreak%
14921         \vskip\mdf@footnotedistance@length%
14922         \normalcolor%
14923         \bidi@mpfootnoterule%
14924         \unvbox\@mpfootins%
14925     \fi%
14926 }
14927
14928
14929 \renewrobustcmd*\mdf@footnoteinput{%
14930     \def\@mpfn{\mpfootnote}%
14931     \def\thempfn{\thempfootnote}%
14932     \c@mpfootnote\z@%
14933     \let\@footnotetext\@mpfootnotetext%
14934     \let\@LTRfootnotetext\@mpLTRfootnotetext%
14935     \let\@RTLfootnotetext\@mpRTLfootnotetext%
14936 }

```

94 File bidi-media9.sty

```

14937 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
14938 {bidi fixes for media9 package for the XeTeX engine}
14939
14940 \keys_define:nn{media9/mbtn}{
14941     draft .code:n = {},
14942     final .code:n = {},
14943
14944     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
14945     tooltip .value_required:n = {true},
14946
14947     overface .code:n = {
14948         \sbox\l_mix_poster_box{
14949             \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
14950             \mix_pdfxform:n{\l_mix_poster_box}

```



```

14951 \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
14952 },
14953 overface .value_required:n = {true},
14954
14955 downface .code:n = {
14956 \sbox\l_mix_poster_box{
14957 \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
14958 \mix_pdfxform:n{\l_mix_poster_box}
14959 \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
14960 },
14961 downface .value_required:n = {true},
14962
14963 3Dgotoview .code:n = {
14964 \tl_set:Nx\l_tmpa_tl{#1} %extract ref
14965 \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
14966 \tl_trim_spaces:N\l_tmpa_tl
14967 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
14968 \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
14969 \tl_set:Nx\l_tmpb_tl{#1} %extract idx
14970 \regex_replace_once:nnN{[~:~]+:~}{\1}\l_tmpb_tl
14971 \tl_trim_spaces:N\l_tmpb_tl
14972 \tl_if_blank:VF\l_tmpb_tl{
14973 \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
14974 \tl_set:Nx\l_mix_vidx_tl{/~\l_tmpb_tl}
14975 }{
14976 \regex_match:nVTF{^~d+$}\l_tmpb_tl{
14977 \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
14978 }{
14979 \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
14980 \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
14981 \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
14982 }
14983 }
14984 }
14985 \mix_pdfobj:nnn{}{dict}{
14986 /S/JavaScript/JS~(
14987 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14988 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
14989 annotRM['\l_tmpa_tl']=
14990 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14991 }
14992 annotRM['\l_tmpa_tl'].activated=true;
14993 )
14994 \tl_if_blank:VF\l_tmpb_tl{
14995 /Next~<<
14996 /S/GoTo3DView
14997 /TA~\tl_use:c{ann@\l_tmpa_tl}
14998 /V\l_mix_vidx_tl
14999 >>
15000 }
15001 }
15002 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
15003 }
15004 }{

```



```

15005     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
15006     \cs_if_exist:NF\g_mix_refundefwarned_tl{
15007         \tl_new:N\g_mix_refundefwarned_tl
15008         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
15009     }
15010 }
15011 },
15012 3Dgotoview .value_required:n = {true},
15013
15014 mediacommand .code:n = {
15015     \tl_set:Nx\l_tmpa_tl{#1}
15016     \regex_replace_once:nnN{([~:~+):??.*}{\1}\l_tmpa_tl %extract ref
15017     \tl_trim_spaces:N\l_tmpa_tl
15018     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
15019         \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
15020             \tl_set:Nx\l_tmpb_tl{#1}
15021             \regex_replace_once:nnN{([~:~+):\~?}{\1}\l_tmpb_tl
15022             \tl_trim_spaces:N\l_tmpb_tl
15023             \regex_replace_all:nnN{^~\|~$}{\1}\l_tmpb_tl
15024             \tl_set:Nx\l_mix_cmd_tl{
15025                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
15026             \tl_trim_spaces:N\l_mix_cmd_tl
15027             \tl_set:Nx\l_mix_arg_tl{
15028                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
15029             \tl_trim_spaces:N\l_mix_arg_tl
15030             \mix_pdfobj:nnn{}{dict}{
15031                 /S/JavaScript/JS~(
15032                     if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
15033                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
15034                         annotRM['\l_tmpa_tl']=
15035                         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
15036                     }
15037                     annotRM['\l_tmpa_tl'].activated=true;
15038                 )
15039                 \tl_if_blank:VF\l_mix_cmd_tl{
15040                     /Next~<<
15041                     /S/RichMediaExecute
15042                     /TA~\tl_use:c{ann@\l_tmpa_tl}
15043                     /TI~\tl_use:c{main@\l_tmpa_tl}
15044                     /CMD~<<
15045                     /C~(\l_mix_cmd_tl)
15046                     \tl_if_blank:VF\l_mix_arg_tl{
15047                         /A~[\l_mix_arg_tl]
15048                     }
15049                     >>
15050                     >>
15051                 }
15052             }
15053             \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
15054         }
15055     }{
15056         \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
15057         \cs_if_exist:NF\g_mix_refundefwarned_tl{
15058             \tl_new:N\g_mix_refundefwarned_tl

```




```

15059         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
15060     }
15061 }
15062 },
15063 mediacommand .value_required:n = {true},
15064
15065 jsaction .code:n = {
15066     \tl_set:Nx\l_tmpa_tl{#1}
15067     \regex_match:nVTF{^[^:]+:.*$}\l_tmpa_tl{
15068         \regex_replace_once:nnN{([:]+):??.*}{\1}\l_tmpa_tl %extract ref
15069         \tl_trim_spaces:N\l_tmpa_tl
15070     }\tl_clear:N\l_tmpa_tl}
15071     \tl_set:Nx\l_tmpb_tl{#1}
15072     \tl_if_blank:VF\l_tmpa_tl{
15073         \tl_if_exist:cF{ann@\l_tmpa_tl}{
15074             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
15075             \cs_if_exist:NF\g_mix_refundefwarned_tl{
15076                 \tl_new:N\g_mix_refundefwarned_tl
15077                 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
15078             }
15079         }
15080         \regex_replace_once:nnN{[^:]+\:}{\1}\l_tmpb_tl
15081     }
15082     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
15083     \tl_trim_spaces:N\l_tmpb_tl
15084     \tl_if_blank:VF\l_tmpb_tl{
15085         \mix_pdfobj:nnn{}{dict}{
15086             /S/JavaScript/JS~(
15087                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
15088     \bool_lazy_and:nnT{
15089         \tl_if_exist_p:c{ann@\l_tmpa_tl}
15090     }{
15091         !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
15092     }{
15093         \mix_pdfobj:nnn{}{dict}{
15094             /S/JavaScript/JS~(
15095                 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
15096                 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
15097                     annotRM['\l_tmpa_tl']=
15098                     this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
15099                 }
15100                 annotRM['\l_tmpa_tl'].activated=true;
15101             )
15102             \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
15103         }
15104     }
15105     \bool_if:nT{
15106         \bool_lazy_and_p:nn{
15107             \tl_if_exist_p:c{ann@\l_tmpa_tl}
15108         }{
15109             !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
15110         }
15111         || !\tl_if_blank_p:V\l_tmpb_tl
15112     }{

```



```

15113     \tl_gput_right:Nx\g_mix_btnactions_tl{\~\mix_pdflastobj:}
15114   }
15115 },
15116 jsaction .value_required:n = {true},
15117
15118 unknown .code:n = {
15119   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
15120 }
15121 }
15122
15123 \RenewDocumentCommand\includemedia{O{}}mm}{%#1 options, #2 text/image #3 media file
15124   \mix_uriend:
15125   \group_begin:
15126   \mix_beginLTR:
15127   \mode_leave_vertical:
15128   %empty stream as appearance dummy
15129   \cs_if_exist:NF\g_mix_appearance_tl{
15130     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
15131     \mix_pdfxform:n{\l_mix_poster_box}
15132     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
15133   }
15134   \mix_reset:
15135   \mix_uribegin: %treat URI characters correctly
15136   \keys_set:nn{media9/user}{#1}
15137   \mix_uriend:
15138   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
15139   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
15140   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~={}}{=}
15141   \tl_greplace_all:Nnn\g_mix_flashvars_tl{={}}{=}
15142   \tl_gtrim_spaces:N\g_mix_flashvars_tl
15143
15144   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
15145
15146   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
15147   %\hbox_set:Nn\l_mix_poster_box{#2}
15148   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
15149   \mix_scale:n{\l_mix_poster_box}
15150   \bool_if:nT{
15151     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
15152     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
15153   }{
15154     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
15155   }
15156   \bool_if:NTF\g_mix_usrdraft_bool{
15157     \tl_if_empty:NF\g_mix_usrlabel_tl{
15158       \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
15159     }
15160     \tl_if_blank:oTF{#2}{
15161       \mix_uribegin: %treat URI characters correctly
15162       \mix_draftbox:n{\tl_to_str:n{#3}}
15163       \mix_uriend:
15164     }{
15165       \hbox_to_wd:nn{\g_mix_wd_tl}{
15166         \vrule-width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl

```



```

15167     \box_use:N\l_mix_poster_box\hss
15168   }
15169 }
15170 }{
15171   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
15172     %attach script that switches off play button overlay upon activation
15173     \mix_pdfobj:nnn{}{stream}{
15174       {}{
15175         var~ocgs=host.getOCGs(host.pageNum);
15176         for(var~i=0;i<ocgs.length;i++){
15177           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
15178             ocgs[i].state=false;
15179           }
15180         }
15181       }
15182     }
15183     \mix_pdfobj:nnn{}{dict}{
15184       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
15185     }
15186     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
15187     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
15188     %enforce plain playbutton overlay for XeTeX
15189     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
15190   }
15191   %embed main asset
15192   \mix_uribegin:
15193   \mix_embedasset:n{#3}
15194   \bool_if:nTF{
15195     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
15196   }{
15197     \bool_gset_true:N\g_mix_iiid_bool
15198     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
15199   }{
15200     \str_case_e:nnF{\l_mix_base_tl}{
15201       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
15202       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
15203       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
15204       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
15205       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
15206     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
15207   }
15208   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
15209   \mix_uriend:
15210   %secondary assets (added by addresource)
15211   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
15212   \seq_map_inline:Nn\g_mix_script_seq{
15213     \mix_embedasset:n{##1}
15214     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
15215   }
15216   %attach 3D calculation script
15217   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
15218     \mix_embedasset:n{3Dmenu.js}
15219     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
15220   }

```



```

15221 %create 3D views from file (option 3Dviews)
15222 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
15223   \tl_set:Nn\l_mix_level_tl{-1}
15224   \int_zero:N\l_mix_viewcnt_int
15225   \int_zero:N\l_mix_lineno_int
15226
15227   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
15228   \ior_map_inline:Nn\l_mix_vfile_stream{
15229     \int_incr:N\l_mix_lineno_int
15230     \keys_set:nn{media9/views}{##1} %process input line
15231   }
15232   \ior_close:N\l_mix_vfile_stream
15233 }
15234 \bool_if:nT{ %create default 3D view if required
15235   \g_mix_iiid_bool &&
15236   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
15237 }{
15238   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
15239   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
15240   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
15241   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
15242   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
15243   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
15244   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
15245
15246   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
15247   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
15248   \fp_set_eq:NN\l_mix_yscale_fp\g_mix_opt_yscale_fp
15249   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
15250
15251   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
15252   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
15253   \tl_clear:N\l_mix_naarray_tl
15254
15255   \bool_if:NF\l_mix_ciiw_bool{
15256     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
15257     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
15258   }
15259
15260   \tl_clear:N\l_mix_naarray_tl
15261   \tl_clear:N\l_mix_saarray_tl
15262   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
15263
15264   \mix_view:n{Default}
15265   \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
15266
15267 }
15268 \mix_pdfobj:nnn{}{dict}{
15269   /Type/RichMediaInstance
15270   /Subtype/\g_mix_mainassetsub_tl
15271   /Asset~\g_mix_mainasset_tl
15272   \bool_if:NF\g_mix_iiid_bool{
15273     /Params~<<
15274     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{

```



```

15275         /Foreground
15276     }{
15277         /Background
15278     }
15279     \tl_if_blank:VF\g_mix_flashvars_tl{
15280         /FlashVars~(\g_mix_flashvars_tl)
15281     }
15282     >>
15283 }
15284 }
15285 \tl_if_empty:NF\g_mix_usrlabel_tl{
15286     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
15287 }
15288 \mix_pdfobj:nnn{}{dict}{
15289     /Type/RichMediaConfiguration
15290     /Subtype/\g_mix_mainassetssub_tl
15291     /Instances~[\mix_pdflastobj:]
15292 }
15293 \mix_pdfobj:nnn{}{dict}{
15294     /Type/RichMediaContent
15295     /Assets~<</Names~[\g_mix_assets_tl]>>
15296     /Configurations~[\mix_pdflastobj:]
15297     \bool_if:nT{
15298         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
15299     }{
15300         /Views~[\l_mix_iiidviewarray_tl]
15301     }
15302 }
15303 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
15304 \bool_if:nT{
15305     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{0oscillating}
15306 }{
15307     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
15308 }
15309 %determine floating window size
15310 \bool_if:NT\g_mix_opt_windowed_bool{
15311     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
15312 }
15313 \mix_pdfobj:nnn{}{dict}{
15314     /Activation~<<
15315     /Condition\g_mix_act_tl
15316     \bool_if:nT{
15317         \g_mix_iiid_bool &&
15318         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
15319     }{
15320         /seems to work only with 3D content
15321         /Animation~<<
15322         /Subtype/\g_mix_playtpe_tl
15323         /PlayCount~\g_mix_playcnt_tl
15324         /Speed~\g_mix_playspd_tl
15325     }
15326     >>
15327 }
15328 \bool_if:nT{
15329     \g_mix_iiid_bool && (
15330         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl

```



```

15329     )
15330   }{/View~\l_mix_dfltview_tl}
15331   /Presentation~<<
15332     /Transparent~\g_mix_transp_tl
15333     \bool_if:NTF\g_mix_opt_windowed_bool{
15334       /Style/Windowed
15335       /Window~<<
15336         /Width~<</Default~\tl_mix_fltd>>
15337         /Height~<</Default~\tl_mix_fltht>>
15338         /Position~<<
15339         /HOffset~0/VOffset~0
15340         \str_case_e:nnF{\g_mix_winpos_tl}{
15341           {tl}{/VAlign/Near/HAlign/Near}
15342           {cl}{/VAlign/Center/HAlign/Near}
15343           {bl}{/VAlign/Far/HAlign/Near}
15344           {bc}{/VAlign/Far/HAlign/Center}
15345           {br}{/VAlign/Far/HAlign/Far}
15346           {cr}{/VAlign/Center/HAlign/Far}
15347           {tr}{/VAlign/Near/HAlign/Far}
15348           {tc}{/VAlign/Near/HAlign/Center}
15349         }{/HAlign/Center/VAlign/Center}
15350       >>
15351     >>
15352   }{
15353     /Style/Embedded
15354   }
15355   \bool_if:NTF\g_mix_iiid_bool{
15356     /Toolbar~\g_mix_tools_tl
15357     /NavigationPane~\g_mix_nav_tl
15358   }{
15359     /PassContextClick~\g_mix_contextclick_tl
15360   }
15361   >>
15362   \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
15363   >>
15364   /Deactivation~<</Condition\g_mix_deact_tl>>
15365 }
15366 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
15367 \tl_if_empty:NF\g_mix_usrlabel_tl{
15368   \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
15369 }
15370 % #1:width, #2:height, #3:depth, #4:content (key-value)
15371 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
15372   /Subtype/RichMedia
15373   /F~4
15374   /BS~<</W~0/S/S>>
15375   /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
15376   /NM~(\g_mix_label_tl)
15377   /AP~<</N~\g_mix_appearance_tl>>
15378   /RichMediaSettings~\l_mix_settings_tl
15379   /RichMediaContent~\l_mix_content_tl
15380 }
15381 \tl_if_empty:NF\g_mix_usrlabel_tl{
15382   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}

```



```

15383     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
15384       \noexpand\the\g@mix@page@int}
15385   }
15386   \mix_pdfobj:nnn{}{dict}{
15387     /S/JavaScript/JS~(
15388       try{
15389         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
15390         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
15391           annotRM['\g_mix_label_tl']=
15392             this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
15393         }
15394         \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
15395           if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
15396             var~ocgs=this.getOCGs(this.pageNum);
15397             for(var~i=0;i<ocgs.length;i++){
15398               if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
15399                 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
15400               }
15401             }
15402           }
15403           if(
15404             !annotRM['\g_mix_label_tl'].activated&&(
15405               app.viewerType=='Reader' ||
15406               app.viewerType=='Exchange' ||
15407               app.viewerType=='Exchange-Pro'
15408             )&&app.viewerVersion>=9
15409           ){
15410             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
15411           }
15412         }
15413       }catch(e){}
15414       this.dirty=false;
15415     )
15416   }
15417   \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
15418     /Subtype/Widget
15419     /FT/Btn/Ff~65537/F~2
15420     /BS~<</W~0>>
15421     /T~(fd@\g_mix_label_tl)
15422     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
15423   }
15424   \mix_appendtofields:n{\mix_pdflastann:}
15425   \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
15426   \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
15427     \hbox_to_wd:nn{\g_mix_wd_tl}{
15428       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
15429     }
15430   }{%insert play button overlay
15431     \mix_insert_btnocg: %create OCG
15432     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
15433     \group_begin:
15434     \cs_if_exist:NT\textdir{\textdir TLT}
15435     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
15436     \box_move_down:nn{\g_mix_dp_tl}{

```



```

15437         \hbox_to_wd:nn{\g_mix_wd_tl}{
15438         \vbox_to_ht:nn{\g_mix_tt_tl}{
15439             \vss
15440             \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
15441             \box_use:N\l_mix_pbtn_box
15442             \ocgbase_oc_emc:
15443         }
15444     }
15445 }
15446 \group_end:
15447 }
15448 \int_gincr:N\g_mix_rmcnt_int
15449 }
15450 \mix_endLTR:
15451 \group_end:
15452 }
15453 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
15454 \tl_set:Nn\includemediaf\mix_uribegin:\l_mix_includemedia_tl}
15455
15456 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
15457     \mix_uridend:
15458     \group_begin:
15459     \mix_beginLTR:
15460     \mode_leave_vertical:
15461     %reset various variables
15462     \tl_gclear:N\g_mix_overbtn_tl
15463     \tl_gclear:N\g_mix_downbtn_tl
15464     \tl_gclear:N\g_mix_btnactions_tl
15465     \tl_gclear:N\g_mix_tooltip_tl
15466     %process options
15467     \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
15468     \mix_uribegin: %treat URI characters correctly
15469     \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
15470     \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
15471     \mix_uridend:
15472     %normal button appearance
15473     %\hbox_set:Nn\l_mix_poster_box{#2}
15474     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
15475     \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
15476     \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
15477     \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
15478     \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
15479         \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
15480             \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
15481         \mix_pdfxform:n{\l_mix_poster_box}
15482         \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
15483         %insert widget annotation
15484         \mix_pdfannot:nnnn{\width}{\height}{\depth}{
15485             /Subtype/Widget
15486             /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
15487             \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
15488             /FT/Btn/Ff~65536
15489             \tl_if_empty:NF\g_mix_downbtn_tl{/H/I}{/H/P}
15490             /AP~<<

```




```

15491      /N~\g_mix_normalbtn_tl
15492      \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
15493      \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
15494      >>
15495      /MK~<<
15496      /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
15497      /I~\g_mix_normalbtn_tl
15498      \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
15499      \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
15500      >>
15501      /A~<<
15502      /S/JavaScript/JS~(app.focusRect=false;)
15503      %sequence of actions to perform
15504      \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
15505      >>
15506    }
15507    \mix_appendtofields:n{\mix_pdflastann:}
15508    \hbox_to_wd:nn{\width}{
15509      \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
15510    }
15511    \int_gincr:N\g_mix_mbtncnt_int
15512  }
15513  \mix_endLTR:
15514  \group_end:
15515 }
15516 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
15517 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
15518

```

95 File memoir-xetex-bidi.def

```

15519 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for X
15520 \renewcommand{\keepthetitle}{\%
15521   \@bsmtitleempty
15522   \global\let\thanks\relax
15523   \global\let\LTRthanks\relax
15524   \global\let\RTLthanks\relax
15525   \global\let\and\relax
15526   \global\let\andnext\relax
15527   \global\let\@thanks\@empty
15528   \global\let\@title\@empty
15529   \global\let\@author\@empty
15530   \global\let\@date\@empty}
15531 \renewcommand{\maketitle}{\par
15532   \begingroup
15533     \@bsmarkseries
15534     \def\@makefnmark{\@textsuperscript{\%
15535       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}\%
15536     \long\def\@makefntext##1{\makethanksmark ##1}
15537     \if@twocolumn
15538       \ifnum \col@number=\@ne
15539         \@maketitle
15540       \else
15541         \twocolumn[\@maketitle]\%

```



```

15542     \fi
15543     \else
15544         \ifdim\pagetotal>\z@
15545             \newpage
15546         \fi
15547         \global\@topnum\z@
15548         \@maketitle
15549     \fi
15550     \thispagestyle{title}\@thanks
15551 \endgroup
15552 \@bscontmark % \setcounter{footnote}{0}%
15553 }
15554 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
15555 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
15556 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
15557 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
15558 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
15559 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
15560 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
15561 \renewcommand*{\thesubsection}{\%
15562     \thesection\@SepMark\@arabic\c@subsection}
15563 \renewcommand*{\thesubsubsection}{\%
15564     \thesubsection\@SepMark\@arabic\c@subsubsection}
15565 \renewcommand*{\theparagraph}{\%
15566     \thesubsubsection\@SepMark\@arabic\c@paragraph}
15567 \renewcommand*{\thesubparagraph}{\%
15568     \theparagraph\@SepMark\@arabic\c@subparagraph}
15569 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
15570 \renewcommand{\theequation}{\%
15571     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15572 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
15573 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
15574 \ifartopt
15575     \chapterstyle{article}
15576     \counterwithout{figure}{chapter}
15577     \counterwithout{table}{chapter}
15578     \counterwithout{footnote}{chapter}
15579     \counterwithout{equation}{chapter}
15580     \renewcommand{\chaptername}{\%
15581     \renewcommand{\maketitlehookb}{\%
15582         \vskip -1.5\topsep\vskip -1.5\partopsep}
15583     \renewcommand{\maketitlehookc}{\%
15584         \vskip -1.5\topsep\vskip -1.5\partopsep}
15585 \fi
15586 \long\def\@makecaption#1#2{\let\@memtempa\relax
15587     \ifdim\prevdepth>--99\p@ \vskip\abovecaptionskip
15588     \else \def\@memtempa{\vbox to\topskip{}}\fi
15589     \let\@contfnote\footnote \renewcommand{\footnote}[2]{}{}
15590     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1]{}{}
15591     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
15592     \let\footnote\@contfnote
15593     \let\footnotemark\@contfmark
15594     \ifdim\wd\@tempboxa<\linewidth \centering \fi
15595     \if@contcw

```



```

15596 \centering
15597 \parbox{\@contcwidth}{%
15598 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
15599 \fi
15600 \ifdim\wd\@tempboxa<\linewidth
15601 \@contpre
15602 {\@contnfont #1\@contdelim}\@memtempa
15603 {\@contcshortstyle \@conttfont #2\@contfinal\par}
15604 \else
15605 \if@conthang
15606 \sbox\@tempboxa{\@contnfont #1\@contdelim}
15607 \@contpre%
15608 {\@contcstyle\hangindent=\wd\@tempboxa
15609 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
15610 \else
15611 \if@contindent
15612 \@contpre%
15613 {\@contnfont #1\@contdelim}\@memtempa
15614 {\@contcstyle\hangindent=\@contindw
15615 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
15616 \else
15617 \@contpre%
15618 {\@contnfont #1\@contdelim}\@memtempa
15619 {\@contcstyle \@conttfont #2\@contfinal\par}
15620 \fi
15621 \fi
15622 \fi
15623 \@contpost
15624 \if@contcw
15625 \par
15626 } % end of the \parbox
15627 \fi
15628 \vskip\belowcaptionskip}
15629 \ifpackageloaded{caption}{%
15630 \AtBeginPackage{caption}{
15631 \ClassWarningNoLine{memoir}{%
15632 You are using the caption package with the memoir \MessageBreak
15633 class. This may cause unexpected or inconsistent \MessageBreak
15634 results if you use any of memoir's captioning facilities}
15635
15636 \long\def\@makecaption##1##2{%
15637 \vskip\abovecaptionskip
15638 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
15639 \ifdim \wd\@tempboxa >\hsize
15640 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
15641 \else
15642 \global \@minipagefalse
15643 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
15644 \fi
15645 \vskip\belowcaptionskip}
15646
15647 \def\caption{%
15648 \ifx\@capttype\@undefined
15649 \@latex@error{\noexpand\caption outside float}\@ehd

```



```

15650     \expandafter\@gobble
15651     \else
15652         \refstepcounter\@capttype
15653         \expandafter\@firstofone
15654     \fi
15655     {\@dblarg{\@caption\@capttype}}%
15656 }
15657
15658 \long\def\@caption##1[##2]##3{%
15659     \par
15660     \addcontentsline{\csname ext@##1\endcsname}{##1}%
15661     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
15662     \begingroup
15663         \@parboxrestore
15664         \if@minipage
15665             \@setminipage
15666         \fi
15667         \normalsize
15668         \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
15669     \endgroup}
15670 }{}
15671 \renewenvironment{thebibliography}[1]{%
15672     \bibsection
15673     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15674     \bidi@thebibliography@font@hook%
15675     \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

96 File midfloat-xetex-bidi.def

```

15676 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
15677 \def\RTL@outputdblcol{%
15678     \if@firstcolumn
15679         \global \@firstcolumnfalse
15680         \global\setbox\@leftcolumn\copy\@outputbox
15681         \splitmaxdepth\maxdimen
15682         \vbadness\maxdimen
15683         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
15684         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15685         \toks@\expandafter{\topmark}%
15686         \xdef\@firstcoltopmark{\the\toks@}%
15687         \toks@\expandafter{\splitfirstmark}%
15688         \xdef\@firstcolfirstmark{\the\toks@}%
15689         \ifx\@firstcolfirstmark\@empty
15690             \global\let\@setmarks\relax
15691         \else
15692             \gdef\@setmarks{%
15693                 \let\firstmark\@firstcolfirstmark
15694                 \let\topmark\@firstcoltopmark}%
15695         \fi
15696         \global\c@colht\@colht\global\c@addvipersep\z@
15697         \ifnum\jua@sk>0
15698             \remove@strip\jua@sar
15699             \global\@colht\the\jua@pr
15700             \ifdim\right@cor>\z@

```



```

15701             \global\advance\@colht by\right@cor
15702         \fi
15703         \global\advance\@colht by\cor@height
15704         \global\cor@height=0pt
15705     \fi
15706     \global \setbox\@rightcolumn \vbox{%
15707 \else
15708     \ifdim\c@colht>\@colht
15709         \@tempdima\@colht
15710         \ifdim\@colht>\z@
15711             \global\setbox\@rightcolumn \vbox{%
15712                 \unvbox\@rightcolumn
15713                 \vbox to\@tempdima{%
15714                     \vskip\c@addvipersep\unvbox\@outputbox}%
15715                 \vskip\stripsep
15716                 \vrule height\the\jua@ht width 0pt depth 0pt
15717                 \vskip\stripsep
15718             }%
15719             \global\c@addvipersep\m@addvipersep
15720         \else
15721             \global\setbox\@rightcolumn \vbox{%
15722                 \unvbox\@rightcolumn
15723                 \vrule height\the\jua@ht width 0pt depth 0pt
15724                 \vskip\stripsep
15725             }%
15726         \fi
15727         \ifnum\jua@sk>0
15728             \remove@strip\jua@sar
15729             \global\@colht\the\jua@pr
15730             \global\advance\@colht by -\ht\@rightcolumn
15731             \global\advance\@colht by\cor@height
15732             \global\cor@height=0pt
15733         \else
15734             \global\advance\c@colht by-\ht\@rightcolumn
15735             \global\@colht\c@colht
15736         \fi
15737     \else
15738     \global\@firstcolumntrue
15739     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
15740         \unvbox\@rightcolumn
15741         \vskip\c@addvipersep
15742         \unvbox\@outputbox
15743     }%
15744     \setbox\@outputbox \vbox {%
15745         \hb@xt@\textwidth {%
15746             \hskip \columnwidth
15747             \hfil
15748             \vrule \@width\columnseprule
15749             \hfil
15750             \hb@xt@\columnwidth {%
15751                 \bidi@firstcolumn@status@write%
15752                 \box\@leftcolumn \hss}%
15753             \hskip-\textwidth
15754             \hb@xt@\columnwidth {%

```



```

15755             \bidi@lastcolumn@status@write%
15756             \box\@outputbox \hss}%
15757             \hskip\columnwidth
15758             \hskip\columnsep}%
15759             }%
15760     \@combinedblfloats
15761     \@setmarks
15762     \@outputpage
15763     \begingroup
15764         \@dblfloatplacement
15765         \@startdblcolumn
15766         \@whiles\if@fcolmade \fi
15767         {\@outputpage
15768          \@startdblcolumn}%
15769     \endgroup
15770     \global\jua@sk=0\global\jua@sar={}
15771     \global\cor@height\z@\global\c@advipersep\z@
15772     \fi
15773 \fi
15774 }
15775
15776
15777 \def\LTR@outputdblcol{%
15778   \if@firstcolumn
15779     \global \@firstcolumnfalse
15780     \global\setbox\@leftcolumn\copy\@outputbox
15781     \splitmaxdepth\maxdimen
15782     \vbadness\maxdimen
15783     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
15784     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15785     \toks@{\expandafter{\topmark}}%
15786     \xdef\@firstcoltopmark{\the\toks@}%
15787     \toks@{\expandafter{\splitfirstmark}}%
15788     \xdef\@firstcolfirstmark{\the\toks@}%
15789     \ifx\@firstcolfirstmark\@empty
15790       \global\let\@setmarks\relax
15791     \else
15792       \gdef\@setmarks{%
15793         \let\firstmark\@firstcolfirstmark
15794         \let\topmark\@firstcoltopmark}%
15795     \fi
15796     \global\c@colht\@colht\global\c@advipersep\z@
15797     \ifnum\jua@sk>0
15798       \remove@strip\jua@sar
15799       \global\@colht\the\jua@pr
15800       \ifdim\right@cor>\z@
15801         \global\advance\@colht by\right@cor
15802       \fi
15803       \global\advance\@colht by\cor@height
15804       \global\cor@height=0pt
15805     \fi
15806     \global \setbox\@rightcolumn \vbox{}%
15807   \else
15808     \ifdim\c@colht>\@colht

```



```

15809      \@tempdima\@colht
15810      \ifdim\@colht>\z@
15811      \global\setbox\@rightcolumn \vbox{%
15812          \unvbox\@rightcolumn
15813          \vbox to\@tempdima{%
15814              \vskip\c@addvipersep\unvbox\@outputbox}%
15815          \vskip\stripsep
15816          \vrule height\the\jua@ht width 0pt depth 0pt
15817          \vskip\stripsep
15818      }%
15819      \global\c@addvipersep\m@addvipersep
15820      \else
15821      \global\setbox\@rightcolumn \vbox{%
15822          \unvbox\@rightcolumn
15823          \vrule height\the\jua@ht width 0pt depth 0pt
15824          \vskip\stripsep
15825      }%
15826      \fi
15827      \ifnum\jua@sk>0
15828          \remove@strip\jua@sar
15829          \global\@colht\the\jua@pr
15830          \global\advance\@colht by -\ht\@rightcolumn
15831          \global\advance\@colht by \cor@height
15832          \global\cor@height=0pt
15833      \else
15834          \global\advance\c@colht by-\ht\@rightcolumn
15835          \global\@colht\c@colht
15836      \fi
15837  \else
15838      \global\@firstcolumntrue
15839      \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
15840          \unvbox\@rightcolumn
15841          \vskip\c@addvipersep
15842          \unvbox\@outputbox
15843      }%
15844      \setbox\@outputbox \vbox {%
15845          \hb@xt@\textwidth {%
15846              \hb@xt@\columnwidth {%
15847                  \bidi@firstcolumn@status@write%
15848                  \box\@leftcolumn \hss}%
15849              \hfil
15850              \vrule \@width\columnseprule
15851              \hfil
15852              \hb@xt@\columnwidth {%
15853                  \bidi@lastcolumn@status@write%
15854                  \box\@outputbox \hss}%
15855              }%
15856          }%
15857      \@combinedblfloats
15858      \@setmarks
15859      \@outputpage
15860      \begingroup
15861      \@dblfloatplacement
15862      \@startdblcolumn

```



```

15863 \whilesw@if@fcolmade \fi
15864 {\@outputpage
15865 \startdblcolumn}%
15866 \endgroup
15867 \global\jua@sk=0\global\jua@sar={}%
15868 \global\cor@height\z@\global\c@advipersep\z@
15869 \fi
15870 \fi
15871 }
15872
15873
15874 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
15875 \global \setbox\@viper\vbox\bgroup@if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
15876 \hsize\textwidth
15877 \@parboxrestore
15878 \col@number \@ne
15879 \vrule height\topskip width0pt depth0pt
15880 }
15881
15882 \def\endstrip{%
15883 \egroup\egroup
15884 \if@firstcolumn
15885 \ifdim\pagetotal>\z@
15886 \vskip\stripsep
15887 \global\ht@strip\pagegoal
15888 \global\advance\ht@strip by-\pagetotal
15889 \global\advance\ht@strip by-\stripsep
15890 \global\advance\ht@strip by-\ht\@viper
15891 \global\advance\ht@strip by-\stripsep
15892 \global\jua@ht=\ht\@viper
15893 \else
15894 \global\ht@strip\z@
15895 \fi
15896 \ifdim\ht@strip>\z@
15897 \unvbox\@viper
15898 \vskip\stripsep
15899 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
15900 \global\advance\jua@sk by1
15901 \else
15902 \@latex@error{Strip needs more place!}\@ehc
15903 \if@vihproof
15904 \framebox[\columnwidth]{??? Strip ???}%
15905 \fi
15906 \fi
15907 \else
15908 \@latex@error{Strip is used only on left column!}\@ehc
15909 \if@vihproof
15910 \framebox[\columnwidth]{??? Strip ???}%
15911 \fi
15912 \fi
15913 }

```

97 File minitoc-xetex-bidi.def




```

15914 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
15915 \def\@undottedtocline#1#2#3#4#5{%
15916   \ifnum #1>\c@tocdepth\relax \else
15917     \vskip \z@ plus.2\p@
15918     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15919     \parindent #2\relax\@afterindenttrue
15920     \interlinepenalty\@M
15921     \leavevmode
15922     \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
15923     \hskip -\if@RTL\rightskip\else\leftskip\fi
15924     #4\nobreak\hfill \nobreak
15925     \null\par}%
15926   \fi}
15927 \def\@Undottedtocline#1#2#3#4#5{%
15928   \ifnum #1>\c@tocdepth\relax \else
15929     \vskip \z@ \@plus.2\p@
15930     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrma
15931     \parindent #2\relax\@afterindenttrue
15932     \interlinepenalty\@M
15933     \leavevmode
15934     \@tempdima #3\relax
15935     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15936     {\coffefont #4}\nobreak \nobreak\null
15937     \par}%
15938   \fi}
15939 \def\@Undottedtoclinep#1#2#3#4#5{%
15940   \ifnum #1>\c@tocdepth\relax \else
15941     \vskip \z@ \@plus.2\p@
15942     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrma
15943     \parindent #2\relax\@afterindenttrue
15944     \interlinepenalty\@M
15945     \leavevmode
15946     \@tempdima #3\relax
15947     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15948     {#4}\nobreak \hfill \nobreak\null
15949     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
15950     \par}%
15951   \fi}

```

98 File multicol-xetex-bidi.def

```

15952 \ProvidesFile{multicol-xetex-bidi.def}[2022/02/01 v1.3 bidi adaptations for multicol package
15953 \def\page@sofar{%
15954   \process@cols\mult@rightbox
15955   {\ifvoid\count@
15956     \setbox\count@\hbox to\hsize{}}%
15957   \else
15958     \wd\count@\hsize
15959   \fi}%
15960   \count@\col@number \advance\count@\m@ne
15961   \mult@info\z@
15962   {Column spec: \the\full@width\space = indent
15963     + columns + sep =\MessageBreak
15964     \the\multicol@leftmargin\space

```



```

15965      + \the\col@number\space
15966      x \the\hsize\space
15967      + \the\count@\space
15968      x \the\columnsep
15969  }%
15970 \ifvmode\else\errmessage{Multicol Error}\fi
15971 \nointerlineskip
15972 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
15973 \moveright\multicol@leftmargin
15974 \hbox to\full@width{%
15975     \bidi@multicol@align@columns
15976     \rlap{\phantom p}%
15977 }%
15978 \prevdepth\z@
15979 \kern-\dimen\tw@
15980 \ifdim\dimen\tw@ > \mc@gridwarn
15981 \PackageWarning{multicol}%
15982 {Very deep columns!\MessageBreak
15983  Grid alignment might be broken}%
15984 \fi
15985 }
15986 \def\LTR@column@boxes{%
15987 \process@cols\mult@firstbox{%
15988 \ifdim\dp\count@>\dimen\tw@
15989 \global\dimen\tw@\dp\count@ \fi
15990 \mc@col@status@write
15991 \box\count@
15992 \hss{\columnseprulecolor\vrule
15993 \width\columnseprule}\hss}%
15994 \ifdim\dp\mult@rightbox>\dimen\tw@
15995 \global\dimen\tw@\dp\mult@rightbox \fi
15996 \mc@lastcol@status@write
15997 \box\mult@rightbox
15998 }
15999
16000 \def\RTL@column@boxes{%
16001 \process@cols\mult@firstbox{%
16002 \hskip\hsize
16003 \hss{\columnseprulecolor\vrule
16004 \width\columnseprule}\hss
16005 }%
16006 \hskip\hsize
16007 \process@cols\mult@firstbox{%
16008 \ifdim\dp\count@>\dimen\tw@
16009 \global\dimen\tw@\dp\count@ \fi
16010 \hskip-\hsize
16011 \mc@col@status@write
16012 \box\count@
16013 \hskip-\hsize
16014 \hskip-\columnsep
16015 }%
16016 \ifdim\dp\mult@rightbox>\dimen\tw@
16017 \global\dimen\tw@\dp\mult@rightbox \fi
16018 \hskip-\hsize

```



```

16019 \mc@lastcol@status@write
16020 \box\mult@rightbox
16021 \hskip-\hsize
16022 \hskip\full@width
16023 }
16024
16025 \newcommand\RTLmulticolcolumns
16026 {\let\bidimulticol@align@columns
16027 \RTL@column@boxes}
16028 \newcommand\LTRmulticolcolumns
16029 {\let\bidimulticol@align@columns
16030 \LTR@column@boxes}
16031 \newcommand\bidimulticol@align@columns
16032 {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
16033 \bidimulticol@AtEndPreamble{%
16034 \if@bidimulticol@csdef{footinsv@l}{%
16035 \def\footnoterule{\kern-3\p@
16036 \hrule \@width \textwidth \kern 2.6\p@}%
16037 }{}%
16038 }
16039 \def\multicols#1{\col@number#1\relax
16040 \ifnum\col@number<\tw@
16041 \PackageWarning{multicol}%
16042 {Using '\number\col@number'
16043 columns doesn't seem a good idea.^J
16044 I therefore use two columns instead}%
16045 \col@number\tw@ \fi
16046 \ifnum\col@number>20
16047 \PackageError{multicol}%
16048 {Too many columns}%
16049 {Current implementation doesn't
16050 support more than 20 columns.%
16051 \MessageBreak
16052 I therefore use 20 columns instead}%
16053 \col@number20 \fi
16054 \ifx\@footnotetext\mult@footnotetext
16055 \else
16056 \let\orig@footnotetext\@footnotetext
16057 \let\@footnotetext\mult@footnotetext
16058 \fi
16059 \ifx\@LTRfootnotetext\mult@LTRfootnotetext
16060 \else
16061 \let\orig@LTRfootnotetext\@LTRfootnotetext
16062 \let\@LTRfootnotetext\mult@LTRfootnotetext
16063 \fi
16064 \ifx\@RTLfootnotetext\mult@RTLfootnotetext
16065 \else
16066 \let\orig@RTLfootnotetext\@RTLfootnotetext
16067 \let\@RTLfootnotetext\mult@RTLfootnotetext
16068 \fi
16069 \@ifnextchar[\mult@cols{\mult@cols[]}]
16070 \long\def\mult@footnotetext#1{\begin{group}
16071 \hsize\textwidth
16072 \columnwidth\textwidth

```



```

16073         \orig@footnotetext{#1}\endgroup}
16074 \long\def\mult@LTRfootnotetext#1{\begingroup
16075         \hsize\textwidth
16076         \columnwidth\textwidth
16077         \orig@LTRfootnotetext{#1}\endgroup}
16078 \long\def\mult@RTLfootnotetext#1{\begingroup
16079         \hsize\textwidth
16080         \columnwidth\textwidth
16081         \orig@RTLfootnotetext{#1}\endgroup}
16082 \def\right@footnoterule{%
16083   \kern-3\p@
16084   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
16085   \kern2.6\p@}
16086 \def\textwidth@footnoterule{\kern-3\p@
16087   \hrule \@width \textwidth \kern 2.6\p@}
16088 \def\bidileave@mult@copyins{%
16089   \advance\dimen@-\skip\@bidi@copyins@
16090   \advance\dimen@-\ht\@bidi@copyins@
16091 }
16092 \bidi@AtEndPreamble{%
16093   \if@bidi@csdef{footinsv@l}{%
16094     \def\bidileave@mult@footinsv@r{%
16095       \advance\dimen@-\skip\footinsv@r
16096       \advance\dimen@-\ht\footinsv@r
16097     }%
16098     \def\bidileave@mult@footinsv@l{%
16099       \advance\dimen@-\skip\footinsv@l
16100       \advance\dimen@-\ht\footinsv@l
16101     }%
16102     \def\bidii@init@mult@footinsv@r{%
16103       \multiply\count\footinsv@r\col@number
16104       \multiply\skip \footinsv@r\col@number
16105     }%
16106     \def\bidii@init@mult@footinsv@l{%
16107       \multiply\count\footinsv@l\col@number
16108       \multiply\skip \footinsv@l\col@number
16109     }%
16110     \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
16111       \insert\footinsv@r{}\fi}%
16112     \def\bidireinsert@footnotesv@l{\ifvoid\footinsv@l\else
16113       \insert\footinsv@l{}\fi}%
16114     \bidi@patchcmd{\prepare@multicols}{%
16115       \reinsert@footnotes
16116     }{%
16117       \reinsert@footnotes
16118       \bidi@init@mult@footinsv@r
16119       \bidireinsert@footnotesv@r
16120       \bidi@init@mult@footinsv@l
16121       \bidireinsert@footnotesv@l
16122     }{}{}%
16123     \bidi@patchcmd{\multi@column@out}{%
16124       \ifnum \c@tracingmulticols>\thr@@
16125     }{%
16126       \ifvoid\footinsv@r

```



```

16127         \ifvoid\footinsv@l
16128         \else
16129             \PackageWarning{multicol}%
16130             {I moved some lines to
16131              the next page.\MessageBreak
16132              Footnotes on page
16133              \thepage\space might be wrong}%
16134         \fi
16135     \else
16136         \PackageWarning{multicol}%
16137         {I moved some lines to
16138          the next page.\MessageBreak
16139          Footnotes on page
16140          \thepage\space might be wrong}%
16141     \fi
16142     \ifnum \c@tracingmulticols>\thr@@
16143 }{}{}%
16144 \bidi@patchcmd{\endmulticols}{%
16145   \reinsert@footnotes
16146 }{%
16147   \reinsert@footnotes
16148   \bidi@reinsert@footnotesv@r
16149   \bidi@reinsert@footnotesv@l
16150 }{}{}%
16151 \bidi@patchcmd{\speci@ls}{%
16152   \reinsert@footnotes
16153 }{%
16154   \reinsert@footnotes
16155   \bidi@reinsert@footnotesv@r
16156   \bidi@reinsert@footnotesv@l
16157 }{}{}%
16158 \bidi@patchcmd{\speci@ls}{%
16159   \reinsert@footnotes
16160 }{%
16161   \reinsert@footnotes
16162   \bidi@reinsert@footnotesv@r
16163   \bidi@reinsert@footnotesv@l
16164 }{}{}%
16165 }{}%
16166 \bidi@patchcmd{\multi@column@out}{%
16167   \ifvbox \@kludgeins
16168 }{%
16169   \if@bidi@csdef{footinsv@l}{%
16170     \divide\skip\footinsv@r\col@number
16171     \ifvoid\footinsv@r \else
16172       \bidi@leave@mult@footins@vr
16173     \fi
16174     \divide\skip\footinsv@l\col@number
16175     \ifvoid\footinsv@l \else
16176       \bidi@leave@mult@footins@vl
16177     \fi
16178   }{}%
16179   \ifvoid\@bidi@copyins@ \else
16180     \bidi@leave@mult@copyins

```



```

16181     \fi
16182     \ifvbox \@kludgeins
16183   }{}{}%
16184 }

```

99 File multienum-xetex-bidi.def

```

16185 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
16186 \renewcommand{\itemx}[1]{\parbox[t]{%
16187   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16188   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
16189 \renewcommand{\itemxx}[2]{\parbox[t]{%
16190   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16191   \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
16192   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16193   \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
16194 \renewcommand{\itemxxx}[3]{\parbox[t]{%
16195   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16196   \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
16197   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16198   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
16199   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16200   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
16201 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
16202   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16203   \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
16204   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16205   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
16206   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16207   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
16208   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16209   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
16210 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
16211   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16212   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
16213   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16214   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
16215   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16216   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
16217   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16218   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
16219   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16220   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
16221 \renewcommand{\itemxox}[2]{\parbox[t]{%
16222   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16223   \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
16224   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16225   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
16226 \renewcommand{\itemxox}[2]{\parbox[t]{%
16227   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16228   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
16229   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16230   \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
16231 \renewcommand{\itemxox}[3]{\parbox[t]{%

```



```

16232 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16233 \parbox[t]{\remainxxx}{\bidi@raggedright #1}\hfill%
16234 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16235 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
16236 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16237 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
16238 \renewcommand{\itemxxx}[3]{\parbox[t]{%
16239 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16240 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
16241 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16242 \parbox[t]{\remainxxx}{\bidi@raggedright #2}\hfill%
16243 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16244 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
16245 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
16246 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16247 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
16248 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16249 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
16250 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16251 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

100 File natbib-xetex-bidi.def

```

16252 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
16253 \renewenvironment{thebibliography}[1]{%
16254 \bibsection
16255 \parindent\z@
16256 \bibpreamble
16257 \bibfont
16258 \ifRTL\ifLTR\bibitems@RTLfalse\else\fi\else\ifRTL\bibitems@RTLtrue\else\fi\fi
16259 \bidi@@thebibliography@font@hook%
16260 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
16261 \ifNAT@openbib
16262 \renewcommand\newblock{\par}%
16263 \else
16264 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
16265 \fi
16266 \sloppy\clubpenalty4000\widowpenalty4000
16267 \sfcode`\.\@m
16268 \let\NAT@bibitem@first@sw@firstoftwo
16269 \let\citeN\cite \let\shortcite\cite
16270 \let\citeasnoun\cite
16271 }{%
16272 \bibitem@fin
16273 \bibpostamble
16274 \def\@noitemerr{%
16275 \PackageWarning{natbib}{Empty `thebibliography' environment}%
16276 }%
16277 \endlist
16278 \bibcleanup
16279 }%

```

101 File newfloat-xetex-bidi.def



```

16280 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
16281 \renewcommand*\newfloat@setwithin[2]{%
16282   \ifcsname c@chapter\endcsname
16283     \@removefromreset{#1}{chapter}%
16284   \fi
16285   \@removefromreset{#1}{section}%
16286   \edef\@tempa{#2}%
16287   \ifx\@tempa\@empty
16288     \def\@tempa{none}%
16289   \fi
16290   \def\@tempb{none}%
16291   \ifx\@tempa\@tempb
16292     \ifcsname c@chapter\endcsname
16293       \@chapterlistsgap@off{#1}%
16294     \fi
16295     \newfloat@@setwithin{#1}{-}{-}%
16296   \else
16297     \def\@tempb{chapter}%
16298     \ifx\@tempa\@tempb
16299       \@addtoreset{#1}{chapter}%
16300       \@chapterlistsgap@on{#1}%
16301       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
16302     \else
16303       \def\@tempb{section}%
16304       \ifx\@tempa\@tempb
16305         \@addtoreset{#1}{section}%
16306         \ifcsname c@chapter\endcsname
16307           \@addtoreset{#1}{chapter}%
16308           \@chapterlistsgap@on{#1}%
16309           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
16310         \else
16311           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
16312         \fi
16313       \else
16314         \newfloat@Error{Invalid value `#2' for option `within'}%
16315       \fi
16316     \fi
16317 \fi}

```

102 File ntheorem-xetex-bidi.def

```

16318 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
16319 \gdef\@thm#1#2#3{%
16320   \if@thmmarks
16321     \stepcounter{end\InTheoType ctr}%
16322   \fi
16323   \renewcommand{\InTheoType}{#1}%
16324   \if@thmmarks
16325     \stepcounter{curr#1ctr}%
16326     \setcounter{end#1ctr}{0}%
16327   \fi
16328   \refstepcounter{#2}%
16329   \theorem@prework
16330   \thm@topseppadd \theorem@postskipamount % cf. latex.ltx: \@trivlist

```




```

16331 \ifvmode \advance\thm@topsepadd\partopsep\fi
16332 \trivlist
16333 \@topsep \theorempreskipamount
16334 \@topsepadd \thm@topsepadd % used by \@endparenv
16335 \advance\linewidth -\theorem@indent
16336 \advance\@totalleftmargin \theorem@indent
16337 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
16338 \@ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

103 File ntheorem-hyper-xetex-bidi.def

```

16339 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-h
16340 \gdef\@thm#1#2#3{%
16341 \if@thmmarks
16342 \stepcounter{end\InTheoType ctr}%
16343 \fi
16344 \renewcommand{\InTheoType}{#1}%
16345 \if@thmmarks
16346 \stepcounter{curr#1ctr}%
16347 \setcounter{end#1ctr}{0}%
16348 \fi
16349 \refstepcounter{#2}%
16350 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
16351 \ifvmode \advance\thm@topsepadd\partopsep\fi
16352 \trivlist
16353 \@topsep \theorempreskipamount
16354 \@topsepadd \thm@topsepadd % used by \@endparenv
16355 \advance\linewidth -\theorem@indent
16356 \advance\@totalleftmargin \theorem@indent
16357 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
16358 \@ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

104 File overpic-xetex-bidi.def

```

16359 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
16360 \renewenvironment{overpic}[2][\]{%
16361 \sbox{\z@}{\includegraphics[#1]{#2}}%
16362 \settodepth{\@tempcnta}{\usebox{\z@}}%
16363 \settoheight{\@tempcntb}{\usebox{\z@}}%
16364 \advance\@tempcntb\@tempcnta%
16365 \settowidth{\@tempcnta}{\usebox{\z@}}%
16366 \setlength{\@tempdima}{\unitlength}%
16367 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
16368 %
16369 \OVP@calc%
16370 %
16371 \begin{picture}(\@tempcnta,\@tempcntb)%
16372 \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
16373 \ifGin@grid%
16374 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
16375 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
16376 \fi\fi%
16377 % reset the graphics parameter
16378 \let\Gin@outer@scale\relax

```



```

16379 \let\Gin@outer@scaley\relax
16380 \let\Gin@angle\relax
16381 \let\Gin@ewidth\Gin@exclamation
16382 \let\Gin@eheight\Gin@ewidth
16383 \def\Gin@scalex{1}
16384 \let\Gin@scaley\Gin@exclamation
16385 }{%
16386 \if@RTL\ifGin@grid%
16387 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
16388 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
16389 \fi%
16390 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
16391 \end{picture}%
16392 }%

```

105 File pdfbase-xetex-bidi.def

```

16393 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
16394 \ExplSyntaxOn
16395 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
16396 \cs_set_nopar:Npn\@outputpage{
16397 \int_gincr:N\g_pbs_page_int
16398 \box_if_vertical:cTF{\@outputbox}{
16399 \bool_set_true:N\l_pbs_is_vertical_bool
16400 }{
16401 \bool_set_false:N\l_pbs_is_vertical_bool
16402 }
16403 \hbox_set:Nn\@outputbox{
16404 %begin of page
16405 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
16406 \box_use_drop:N\@outputbox
16407 %end of page
16408 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
16409 }
16410 \bool_if:NT\l_pbs_is_vertical_bool{
16411 \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
16412 }
16413 \pbs_outputpage_orig:
16414 }
16415 \ExplSyntaxOff

```

106 File pdfscape-xetex-bidi.def

```

16416 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
16417 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
16418 \if@RTL
16419 \PLS@Rotate{-90}%
16420 \else
16421 \PLS@Rotate{90}%
16422 \fi
16423 }{}{}

```

107 File pdfpages-xetex-bidi.def



```

16424 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
16425 \renewcommand*{\includepdf}[2] [] {%
16426   \begingroup
16427   \RTLfalse
16428   \let\AM@threadname\relax
16429   \AM@split@options{pdfpages}{#1}%
16430   \edef\AM@temp{\pdfpages}{\the\@temptokena}}%
16431   \expandafter\setkeys\AM@temp
16432   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
16433     \let\AM@currentdocname\relax
16434     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
16435     \def\AM@pagecount{0}%
16436   }{%
16437     \AM@findfile{#2}%
16438     \if\AM@threadname\relax
16439       \def\AM@threadname{\AM@currentdocname}%
16440     \fi
16441   }%
16442   \ifAM@survey
16443     \def\AM@pagestemp{}%
16444     \@tempcnta=0
16445     \def\foo{%
16446       \ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
16447         {\let\foo\relax}
16448         {\expandafter\ifx\expandafter\\AM@pagestemp\\
16449           \edef\AM@pagestemp{%
16450             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
16451           \else
16452             \edef\AM@pagestemp{\AM@pagestemp,%
16453               \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
16454           \fi
16455           \advance\@tempcnta 1\relax
16456         }%
16457       \foo
16458     }%
16459     \foo
16460     \expandafter\ifx\expandafter\\AM@pagestemp\\
16461       \def\AM@pagestemp{1}%
16462     \fi
16463   \fi
16464   \ifAM@output
16465     \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
16466     \AM@output{#1}%
16467   \fi
16468   \AM@CheckAtEnd
16469   \endgroup
16470   \AM@ClearShipoutPicture
16471 }

```

108 File pgfcorescopes.code-xetex-bidi.def

```

16472 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
16473 \def\pgfpicture{%
16474   \begingroup%

```



```

16475 \ifmmode\else\@RTLfalse\beginL\fi%
16476 \pgfpicturetrue%
16477 \global\advance\pgf@picture@serial@count by1\relax%
16478 \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
16479 \let\pgf@nodecallback=\pgfutil@gobble%
16480 \pgf@picmaxx=-16000pt\relax%
16481 \pgf@picminx=16000pt\relax%
16482 \pgf@picmaxy=-16000pt\relax%
16483 \pgf@picminy=16000pt\relax%
16484 \pgf@relevantforpicturesizetrue%
16485 \pgf@resetpathsizes%
16486 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
16487 \def\endpgfpicture{%
16488     \ifpgfrememberpicturerepositiononpage%
16489         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
16490     \fi%
16491     % ok, now let's position the box
16492     \ifdim\pgf@picmaxx=-16000pt\relax%
16493         % empty picture. make size 0.
16494         \global\pgf@picmaxx=0pt\relax%
16495         \global\pgf@picminx=0pt\relax%
16496         \global\pgf@picmaxy=0pt\relax%
16497         \global\pgf@picminy=0pt\relax%
16498     \fi%
16499     % Shift baseline outside:
16500     \pgf@relevantforpicturesizefalse%
16501     \pgf@process{\pgf@baseline}%
16502     \xdef\pgf@shift@baseline{\the\pgf@y}%
16503     %
16504     \pgf@process{\pgf@trimleft}%
16505     \global\advance\pgf@x by-\pgf@picminx
16506     % prepare \hskip\pgf@trimleft@final.
16507     % note that \pgf@trimleft@final is also queried
16508     % by the pgf image externalization.
16509     \xdef\pgf@trimleft@final{-\the\pgf@x}%
16510     %
16511     \pgf@process{\pgf@trimright}%
16512     \global\advance\pgf@x by-\pgf@picmaxx
16513     % prepare \hskip\pgf@trimright@final.
16514     % note that \pgf@trimright@final is also queried
16515     % by the pgf image externalization.
16516     \xdef\pgf@trimright@final{\the\pgf@x}%
16517     %
16518     \pgf@remember@layerlist@globally
16519     \endgroup%
16520     \hss%
16521     \egroup%
16522     \pgf@restore@layerlist@from@global
16523     \pgf@insertlayers%
16524     \endgroup%
16525     \pgfsys@discardpath%
16526     \endgroup%
16527     \pgfsys@endscope%
16528     \pgfsys@endpicture%

```



```

16529 \endgroup%
16530 \hss
16531 \egroup%
16532 \pgfsys@typesetpicturebox\pgfpic%
16533 \ifmmode\else\endL\fi%
16534 \endgroup%
16535 }

```

109 File pgfsys.code-xetex-bidi.def

```

16536 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.t
16537 \def\pgfsys@shadingoutsidepgfpicture#1{%
16538 \beginL#1\endL%
16539 }
16540
16541

```

110 File picinpar-xetex-bidi.def

```

16542 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
16543 \long\def\@makewincaption#1#2{%
16544 \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
16545 \ifdim\wd\@tempboxa>\picwd
16546 {\footnotesize{\bf #1:\enspace}{#2\par}}
16547 \else
16548 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
16549 \fi}
16550 \def\endwindow{%
16551 \global\tcd=\tcdsav
16552 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
16553 \vbadness=10000
16554 \splittopskip=0pt
16555 %
16556 % Typeset the lines above the window
16557 %
16558 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
16559 \tcn=\tcd
16560 \loop\advance\tcn -1
16561 \setbox\fslice=\vsplit\holder to\baselineskip
16562 \prune\fslice\linewidth
16563 \topheight=0pt
16564 \ifnum\dp\fslice>\dp\wstrutbox
16565 \advance\topheight-\dp\fslice
16566 \advance\topheight\dp\wstrutbox
16567 \advance\topheight\ilg\fi
16568 \hbox to\linewidth{\box\fslice}
16569 \vskip-\topheight
16570 \ifdim\ht\holder>0pt\repeat
16571 \fi
16572 %
16573 % Now we build the boxes beside the window
16574 %
16575 \global\topheight=\tcl\baselineskip
16576 \ifnum\cumpartcl>0\global\tcl=\cumtcl

```



```

16577      \global\topheight=\vpic
16578 \fi
16579 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
16580 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
16581 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
16582 \tcn=\tcl \na=0 \nb=0
16583 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
16584 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
16585 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
16586 \ifnum\na=0\ifnum\nb=0
16587     \setbox\waslice=\vbox to\vpic{\vss}
16588     \setbox\wbslice=\vbox to\vpic{\vss}
16589     \bl=1\br=1
16590     \vskip\ilg
16591 \fi\fi
16592 %
16593 % both sides
16594 %
16595 \ifnum\na>0 \ifnum\nb>0
16596 \loop\advance\nb -1
16597 \advance\na -1
16598 \if@RTL%
16599 \setbox\bslice=\vsplit\holder to\baselineskip
16600 \prune\bslice\rtside
16601 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
16602 to\rtside{\box\bslice\hfil}}
16603 \setbox\aslice=\vsplit\holder to\baselineskip
16604 \prune\aslice\lftside
16605 \setbox\waslice=\vbox{\unvbox\waslice\hbox
16606 to\lftside{\box\aslice\hfil}}
16607 \else%
16608 \setbox\aslice=\vsplit\holder to\baselineskip
16609 \prune\aslice\lftside
16610 \setbox\waslice=\vbox{\unvbox\waslice\hbox
16611 to\lftside{\box\aslice\hfil}}
16612 \setbox\bslice=\vsplit\holder to\baselineskip
16613 \prune\bslice\rtside
16614 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
16615 to\rtside{\box\bslice\hfil}}
16616 \fi%
16617 \ifnum\nb>0\repeat
16618 \fi\fi
16619 %
16620 % only text on the left side
16621 %
16622 \ifnum\na>0
16623     \loop\advance\na -1
16624     \setbox\aslice=\vsplit\holder to\baselineskip
16625     \prune\aslice\lftside
16626     \setbox\waslice=\vbox{\unvbox\waslice\hbox
16627 to\lftside{\box\aslice\hfil}}
16628     \ifdim\ht\holder>0pt\repeat
16629 \fi
16630 %

```



```

16631 % only text on the right side
16632 %
16633 \ifnum\nb>0
16634     \loop\advance\nb -1
16635     \setbox\bslice=\vsplit\holder to\baselineskip
16636     \prune\bslice\rtside
16637     \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
16638     to\rtside{\box\bslice\hfil}}
16639     \ifdim\ht\holder>0pt\repeat
16640 \fi
16641 %
16642 % fixing the dimensions of the window part
16643 %
16644 \ifnum\bl=0\topheight=\ht\wbslice
16645 \else\ifnum\br=0\topheight=\ht\waslice
16646     \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
16647         \else\topheight=\ht\wbslice\fi\fi\fi
16648 %
16649 % ship out the window material to the main vertical list
16650 %
16651 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
16652 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
16653 \fi\fi\fi
16654 \setbox>windowbox=\vbox{\hbox to\linewidth{%
16655 \ifnum\bl>0\box\waslice\hfill\fi%
16656 \vbox to\topheight{\hrule width\picwd heightOpt depthOpt\vskipOpt%
16657 \vfill\unvbox\picbox%
16658 \ifnum\picwd>0\vfill\fi%
16659 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
16660 \unvbox>windowbox%
16661 \loop
16662 \setbox\bslice=\vsplit\rawtext to\baselineskip
16663 \prune\bslice\linewidth
16664 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
16665 \unvbox\wbslice
16666 \ifdim\ht\rawtext>0pt
16667 \repeat
16668 }% FINITO

```

111 File plain-xetex-bidi.def

```

16669 \def\TeXXeTOn{\TeXXeTstate=1 }
16670 \def\TeXXeTOff{\TeXXeTstate=0 }
16671 \TeXXeTOn
16672 \def\usebox#1{\leavevmode\copy #1\relax}
16673 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
16674 \let\bidi@o@everypar=\everypar
16675 \newtoks\bidi@n@everypar
16676 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
16677 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
16678 \let\everypar=\bidi@n@everypar
16679 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
16680 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
16681 \protected\def\hboxR{\hbox\bgroup

```



```

16682 \everyhbox{%
16683 \aftergroup\egroup
16684 \everyhbox{}%
16685 \beginR
16686 \@hboxRconstructtrue
16687 \bgroup
16688 \aftergroup\endR
16689 \aftergroup\egroup
16690 }\hbox}
16691 \protected\def\hboxL{\hbox\bgroup
16692 \everyhbox{%
16693 \aftergroup\egroup
16694 \everyhbox{}%
16695 \beginL
16696 \@hboxRconstructfalse
16697 \bgroup
16698 \aftergroup\endL
16699 \aftergroup\egroup
16700 }\hbox}
16701 \protected\def\vboxR{\vbox\bgroup
16702 \everyvbox{%
16703 \aftergroup\egroup
16704 \everyvbox{}%
16705 \@RTLtrue
16706 \bgroup
16707 \aftergroup\egroup
16708 }\vbox}
16709 \protected\def\vboxL{\vbox\bgroup
16710 \everyvbox{%
16711 \aftergroup\egroup
16712 \everyvbox{}%
16713 \@RTLfalse
16714 \bgroup
16715 \aftergroup\egroup
16716 }\vbox}
16717 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
16718 \def\endLTR{\par}
16719 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
16720 \def\endRTL{\par}
16721 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
16722 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
16723 \let\unsetRTL=\setLTR
16724 \let\unsetLTR=\setRTL
16725 \let\LR=\LRE
16726 \let\RL=\RLE
16727 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
16728 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
16729 \let\@ensure@RL=\@ensure@RTL
16730 \let\@ensure@LR=\@ensure@LTR
16731 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
16732 \let\@ensure@maindir=\@ensure@dir
16733 \def\@@RTL{RTL}
16734 \def\@@LTR{LTR}
16735 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}

```




```

16736 \def\reset@dir{\ifx\saved@@dir\@RTL\setRTL\else\ifx\saved@@dir\@LTR\setLTR\else\relax\fi}%
16737 \let\@TeX\TeX
16738 \def\TeX{\@ensure@LTR{\@TeX}}
16739 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
16740   \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
16741   \ifvoid\footins\else % footnote info is present
16742     \vskip\skip\footins
16743     \footnoterule
16744     \unvbox\footins\fi
16745   \ifrggedbottom \kern-\dimen@ \vfil \fi
16746   \ifvoid\@bidi@copyins@
16747   \else
16748     \vskip\skip\@bidi@copyins@
16749     \unvbox\@bidi@copyins@
16750   \fi
16751 }
16752 \long\def\bidi@reflect@box#1{%
16753   \leavevmode
16754   \setbox\z@\hbox{#1}%
16755   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
16756   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
16757 }
16758 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
16759   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}%
16760 \let\setRL=\setRTL
16761 \let\setLR=\setLTR
16762 \let\unsetRL=\setLTR
16763 \let\bidi@saved@eqno=\eqno
16764 \let\bidi@saved@leqno=\leqno
16765 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
16766 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
16767 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
16768 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
16769 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

112 File pstricks-xetex-bidi.def

```

16770 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
16771 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
16772 \def\endpspicture{%
16773   \ifshowgrid\ifnum\showgridp>0
16774     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
16775   \pst@killglue
16776 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
16777   \endgroup
16778   \egroup
16779   \ifdim\wd\pst@hbox=\z@\else
16780     %\@pstrickserr{Extraneous space in the pspicture environment}%
16781     %\Type \space <return> \space to proceed.}%
16782   \fi
16783   \ht\pst@hbox=\pst@dimd
16784   \dp\pst@hbox=-\pst@dimb
16785   \setbox\pst@hbox=\hbox{%
16786     \kern-\pst@dima

```



```

16787 % Orig version -----
16788 %\ifx\pst@tempa\@empty\else
16789 %\advance\pst@dimd-\pst@dimb
16790 %\pst@dimd=\pst@tempa\pst@dimd
16791 %\advance\pst@dimd\pst@dimb
16792 %\lower\pst@dimd
16793 %\fi
16794 %----- end Orig
16795 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
16796 \advance\pst@dimd-\pst@dimb
16797 \pst@dimd=0.5\pst@dimd
16798 \else\pst@dimd-\pst@shift\fi
16799 \advance\pst@dimd\pst@dimb
16800 \lower\pst@dimd
16801 \box\pst@hbox
16802 \kern\pst@dimc}%
16803 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
16804 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
16805 \fboxsep=0pt
16806 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
16807 \ifmmode\else\endL\fi
16808 \endgroup%
16809 \psset[pstricks]{shift=0}% reset value
16810 }

```

113 File quotchap-xetex-bidi.def

```

16811 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
16812 \renewcommand{\qauthor}[1]{%
16813 \par\smallskip
16814 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
16815 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
16816 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
16817 {\chapnumfont
16818 \ifnum \c@secnumdepth >\m@ne%
16819 \if@mainmatter\thechapter%
16820 \fi\fi
16821 \par\nobreak}%
16822 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi
16823 \nobreak\chapterheadendvskip}}
16824 \renewcommand*{\@iprintcites}{%
16825 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
16826 \global\let\@printcites\relax}

```

114 File ragged2e-xetex-bidi.def

```

16827 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
16828 \renewcommand{\Centering}{%
16829 \ifx\\ \@raggedtwoe@savedcr
16830 \let\\ \@centercr
16831 \fi
16832 \let\@gnewline\@raggedtwoe@gnewline
16833 \if@RTL\rightrightmargin\else\leftmargin\fi\CenteringLeftskip
16834 \@rightskip\CenteringRightskip

```



```

16835 \ifRTL\leftskip\else\rightskip\fi\@rightskip
16836 \parfillskip\CenteringParfillskip
16837 \parindent\CenteringParindent
16838 \@raggedtwo@spaceskiptrue
16839 \@raggedtwo@everyselectfont
16840 }
16841 \renewcommand{\RaggedLeft}{%
16842 \ifx\\ \@raggedtwo@savedcr
16843 \let\\ @centercr
16844 \fi
16845 \let@gnewline\@raggedtwo@gnewline
16846 \ifRTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
16847 \@rightskip\RaggedLeftRightskip
16848 \ifRTL\leftskip\else\rightskip\fi\@rightskip
16849 \parfillskip\RaggedLeftParfillskip
16850 \parindent\RaggedLeftParindent
16851 \@raggedtwo@spaceskiptrue
16852 \@raggedtwo@everyselectfont
16853 }
16854 \renewcommand{\RaggedRight}{%
16855 \ifx\\ \@raggedtwo@savedcr
16856 \let\\ @centercr
16857 \fi
16858 \let@gnewline\@raggedtwo@gnewline
16859 \ifRTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
16860 \@rightskip\RaggedRightRightskip
16861 \ifRTL\leftskip\else\rightskip\fi\@rightskip
16862 \parfillskip\RaggedRightParfillskip
16863 \parindent\RaggedRightParindent
16864 \@raggedtwo@spaceskiptrue
16865 \@raggedtwo@everyselectfont
16866 }
16867 \renewcommand{\justifying}{%
16868 \let\\ \@raggedtwo@savedcr
16869 \let@gnewline\@raggedtwo@saved@gnewline
16870 \ifRTL\rightskip\else\leftskip\fi\z@
16871 \@rightskip\z@
16872 \ifRTL\leftskip\else\rightskip\fi\@rightskip
16873 \parfillskip\JustifyingParfillskip
16874 \parindent\JustifyingParindent
16875 \@raggedtwo@spaceskipfalse
16876 \@raggedtwo@everyselectfont
16877 }
16878 \def\@raggedtwo@raggedrightboxes@opt{%
16879 \renewcommand{\@arrayparboxrestore}{%
16880 \let\if@nobreak\iffalse
16881 \let\if@noskipsec\iffalse
16882 \let\par\@par
16883 \let\-\@dischyph
16884 \let'\@acci\let\` \@accii\let\=\@acciii
16885 \parskip\z@skip
16886 \everypar{}%
16887 \linewidth\hsize
16888 \@totalleftmargin\z@

```



```

16889 \if@RTL
16890 \RaggedLeft
16891 \else
16892 \RaggedRight
16893 \fi
16894 \lineskip\normallineskip
16895 \baselineskip\normalbaselineskip
16896 \sloppy}%
16897 \let\@raggedtwoe@raggedrightboxes@opt\relax
16898 }
16899 \def\@raggedtwoe@document@opt{%
16900 \AtBeginDocument{\@raggedtwoe@abdhook}%
16901 \@raggedtwoe@raggedrightboxes@opt
16902 \@raggedtwoe@footmisctrue
16903 \let\@raggedtwoe@document@opt\relax
16904 }
16905 \def\@raggedtwoe@abdhook{%
16906 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
16907 right to left documents and '\string\RaggedRight' for left
16908 to right documents}%
16909 \if@RTL
16910 \RaggedLeft
16911 \else
16912 \RaggedRight
16913 \fi
16914 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
16915 \let\@raggedtwoe@abdhook\relax
16916 }
16917 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
16918 \@raggedtwoe@raggedrightboxes@opt
16919 }{}
16920 \@ifpackagewith{ragged2e}{document}{%
16921 \@raggedtwoe@document@opt
16922 }{}
16923 \let\origin@RaggedLeft=\RaggedLeft
16924 \let\origin@RaggedRight=\RaggedRight
16925 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
16926 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

115 File rapport1-xetex-bidi.def

```

16927 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
16928 \renewenvironment{theindex}{%
16929 \if@twocolumn
16930 \@restonecolfalse
16931 \else
16932 \@restonecoltrue
16933 \fi
16934 \columnseprule \z@
16935 \columnsep 35\p@
16936 \twocolumn[\@makeschapterhead{\indexname}]%
16937 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
16938 \thispagestyle{plain}\parindent\z@
16939 \parskip\z@ \@plus .3\p@\relax

```



```

16940 \let\item\@idxitem
16941 }{%
16942 \if@restonecol\onecolumn\else\clearpage\fi}
16943 \renewcommand*\head@style{%
16944 \interlinepenalty \@M
16945 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16946 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16947 \if@titlepage
16948 \renewenvironment{abstract}{%
16949 \titlepage
16950 \null\vfil
16951 \section*{\SectFont\abstractname}%
16952 \noindent\ignorespaces}
16953 {\par\vfil\null\endtitlepage}
16954 \else
16955 \renewenvironment{abstract}{%
16956 \if@twocolumn
16957 \section*{\abstractname}%
16958 \else
16959 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16960 \section*{\small\SectFont\abstractname}%
16961 \noindent\ignorespaces
16962 \fi}
16963 {\if@twocolumn\else\par\egroup\fi}
16964 \fi
16965 \renewcommand*\@regtocline[3]{%
16966 \ifnum #1>\c@tocdepth
16967 \else
16968 \vskip\z@\@plus.2\p@
16969 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
16970 \if@RTL\rightskip\else\leftskip\fi\unitindent
16971 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
16972 \parfillskip\z@
16973 \@tempdima\unitindent
16974 \parindent\z@
16975 \leavevmode
16976 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
16977 \hskip 1em \nobreak{\slshape #3}\par
16978 }%
16979 \fi}
16980 \if@oldtoc
16981 \renewcommand*\l@part[2]{%
16982 \ifnum \c@tocdepth >-2\relax
16983 \addpenalty{-\@highpenalty}%
16984 \addvspace{2.25em \@plus\p@}%
16985 \begingroup
16986 \setlength\@tempdima{3em}%
16987 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16988 \parfillskip -\@pnumwidth
16989 {\leavevmode
16990 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16991 \nobreak
16992 \global\@nobreaktrue
16993 \everypar{\global\@nobreakfalse\everypar{}}%

```



```

16994 \endgroup
16995 \fi}
16996 \else
16997 \renewcommand*\l@part{%
16998 \ifnum \c@tocdepth >-2\relax
16999 \addpenalty{-\@highpenalty}%
17000 \addvspace{2.25em \@plus \p@}%
17001 \@regtocline{0}%
17002 \fi}
17003 \fi
17004 \if@oldtoc
17005 \renewcommand*\l@chapter[2]{%
17006 \addpenalty{-\@highpenalty}%
17007 \vskip 1.0em \@plus\p@
17008 \setlength\@tempdima{1.5em}%
17009 \begingroup
17010 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17011 \parfillskip -\@pnumwidth
17012 \leavevmode \bfseries
17013 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
17014 \hskip -\if@RTL\rightskip\else\leftskip\fi
17015 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17016 \penalty\@highpenalty
17017 \endgroup}
17018 \else
17019 \renewcommand*\l@chapter{\@regtocline{0}}
17020 \fi
17021 \renewcommand*\left@footnoterule{%
17022 \kern-3\p@
17023 \kern.5\baselineskip
17024 \hrule\@width\unitindent
17025 \kern.4\baselineskip
17026 }
17027 \renewcommand*\right@footnoterule{%
17028 \kern-3\p@
17029 \kern.5\baselineskip
17030 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
17031 \kern.4\baselineskip}
17032 \renewenvironment{thebibliography}[1]
17033 {\chapter*{\bibname}%
17034 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
17035 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17036 \bidi@thebibliography@font@hook%
17037 \list{\@biblabel{\@arabic\c@enumiv}}%
17038 {\settowidth\labelwidth{\@biblabel{#1}}%
17039 \leftmargin\labelwidth
17040 \advance\leftmargin\labelsep
17041 \@openbib@code
17042 \usecounter{enumiv}%
17043 \let\p@enumiv\@empty
17044 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
17045 \sloppy\clubpenalty4000\widowpenalty4000%
17046 \sfcode`\.\@m}
17047 {\def\@noitemerr

```



```

17048      {\@latex@warning{Empty `thebibliography' environment}}%
17049      \endlist}
17050 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
17051 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
17052 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
17053 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
17054 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
17055 \renewcommand*\theequation{%
17056   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
17057 \renewcommand*\thefigure{%
17058   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
17059 \renewcommand*\thetable{%
17060   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
17061 \if@titlepage
17062 \renewcommand*\TitleFont{\rmfamily}
17063 \renewcommand*\maketitle{%
17064   \begin{titlepage}%
17065     \let\footnotesize\small
17066     \let\right@footnoterule\relax
17067     \let\left@footnoterule\relax
17068     \let\textwidth\footnoterule\relax
17069     \let \footnote \thanks
17070     \long\def\@makefntext##1{\parindent\z@
17071       \def\labelitemi{\textendash}\@revlabeltrue
17072       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
17073     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17074     \if@compatibility\setcounter{page}{0}\fi
17075     \null\vfil
17076     \vskip 60\p@
17077     \begin{center}%
17078       \TitleFont
17079       {\LARGE \def\\{\penalty -\@M}
17080         \if@allcaps
17081           \expandafter\uc@nothanks\@title\thanks\relax
17082         \else
17083           \@title
17084           \fi\par}%
17085     \vskip 3em%
17086     {\large
17087       \lineskip .75em \parindent\z@
17088       \begin{tabular}[t]{c}%
17089         \if@allcaps
17090           \expandafter\uc@authornothanks\@author\and\relax
17091         \else
17092           \@author
17093           \fi
17094       \end{tabular}\par}%
17095     \vskip 1.5em%
17096     {\large
17097       \if@allcaps
17098         \uppercase\expandafter{\@date}%
17099       \else
17100         \@date
17101       \fi\par}%

```



```

17102     \end{center}\par
17103     \@thanks
17104     \vfil\null
17105 \end{titlepage}%
17106 \setcounter{footnote}{0}%
17107 \global\let\thanks\relax
17108 \global\let\maketitle\relax
17109 \global\let\@thanks\@empty
17110 \global\let\@author\@empty
17111 \global\let\@title\@empty
17112 \global\let\@date\@empty
17113 \global\let\title\relax
17114 \global\let\author\relax
17115 \global\let\date\relax
17116 \global\let\and\relax
17117 }
17118 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
17119 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
17120     \futurelet\@tempa\uc@ax}
17121 \def\uc@ax{%
17122     \ifx\@tempa\relax
17123     \else
17124         \\\andname \\\expandafter\uc@authornothanks
17125     \fi}
17126 \def\uc@tx{\ifx\@tempa\relax
17127     \else \expandafter\uc@ty \fi}
17128 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
17129 \else
17130 \renewcommand*\maketitle{\par
17131     \begingroup
17132     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17133     \def\@makefnmark{\rlap{%
17134         \@textsuperscript{\normalfont\@thefnmark}}}%
17135     \long\def\@makefntext{\@xmakefntext{%
17136         \@textsuperscript{\normalfont\@thefnmark}}}%
17137     \if@twocolumn
17138         \ifnum \col@number=\@one
17139             \@maketitle
17140         \else
17141             \twocolumn[\@maketitle]%
17142         \fi
17143     \else
17144         \newpage
17145         \global\@topnum\z@
17146         \@maketitle
17147     \fi
17148     \thispagestyle{plain}\@thanks
17149 \endgroup
17150 \setcounter{footnote}{0}%
17151 \global\let\thanks\relax
17152 \global\let\maketitle\relax
17153 \global\let\@maketitle\relax
17154 \global\let\@thanks\@empty
17155 \global\let\@author\@empty

```




```

17156 \global\let\@title\@empty
17157 \global\let\@date\@empty
17158 \global\let\title\relax
17159 \global\let\author\relax
17160 \global\let\date\relax
17161 \global\let\and\relax
17162 }
17163 \def\@maketitle{%
17164 \newpage
17165 \null
17166 \vskip 2em%
17167 \begin{center}%
17168 \let \footnote \thanks
17169 {\LARGE \TitleFont \@title \par}%
17170 \vskip 1.5em%
17171 {\large \TitleFont
17172 \lineskip .5em%
17173 \begin{tabular}[t]{c}%
17174 \@author
17175 \end{tabular}\par}%
17176 \vskip 1em%
17177 {\large \TitleFont \@date}%
17178 \end{center}%
17179 \par
17180 \vskip 1.5em}
17181 \fi

```

116 File rapport3-xetex-bidi.def

```

17182 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
17183 \renewenvironment{theindex}{%
17184 \if@twocolumn
17185 \@restonecolfalse
17186 \else
17187 \@restonecoltrue
17188 \fi
17189 \columnseprule \z@
17190 \columnsep 35\p@
17191 \twocolumn[\@makeschapterhead{\indexname}]%
17192 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
17193 \thispagestyle{plain}\parindent\z@
17194 \parskip\z@ \@plus .3\p@\relax
17195 \let\item\@idxitem
17196 }{%
17197 \if@restonecol\onecolumn\else\clearpage\fi}
17198 \if@titlepage
17199 \renewcommand*\TitleFont{\rmfamily}
17200 \renewcommand*\maketitle{%
17201 \begin{titlepage}%
17202 \let\footnotesize\small
17203 \let\right@footnoterule\relax
17204 \let\left@footnoterule\relax
17205 \let\textwidth\footnoterule\relax
17206 \let \footnote \thanks

```



```

17207 \let \LTRfootnote \LTRthanks
17208 \let \RTLfootnote \RTLthanks
17209 \long\def\@makefntext##1{\parindent\z@
17210 \def\labelitemi{\textendash}\@revlabeltrue
17211 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
17212 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17213 \if@compatibility\setcounter{page}{0}\fi
17214 \null\vfil
17215 \vskip 60\p@
17216 \begin{center}%
17217 \TitleFont
17218 {\LARGE \def\{\{\penalty -\@M}
17219 \if@allcaps
17220 \expandafter\uc@nothanks\@title\thanks\relax
17221 \else
17222 \@title
17223 \fi\par}%
17224 \vskip 3em%
17225 {\large
17226 \lineskip .75em \parindent\z@
17227 \begin{tabular}[t]{c}%
17228 \if@allcaps
17229 \expandafter\uc@authornothanks\@author\and\relax
17230 \else
17231 \@author
17232 \fi
17233 \end{tabular}\par}%
17234 \vskip 1.5em%
17235 {\large
17236 \if@allcaps
17237 \uppercase\expandafter{\@date}%
17238 \else
17239 \@date
17240 \fi\par}%
17241 \end{center}\par
17242 \@thanks
17243 \vfil\null
17244 \end{titlepage}%
17245 \setcounter{footnote}{0}%
17246 \global\let\thanks\relax
17247 \global\let\LTRthanks\relax
17248 \global\let\RTLthanks\relax
17249 \global\let\maketitle\relax
17250 \global\let\@thanks\@empty
17251 \global\let\@author\@empty
17252 \global\let\@title\@empty
17253 \global\let\@date\@empty
17254 \global\let\title\relax
17255 \global\let\author\relax
17256 \global\let\date\relax
17257 \global\let\and\relax
17258 }
17259 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
17260 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax

```



```

17261 \futurelet\@tempa\uc@ax}
17262 \def\uc@ax{%
17263 \ifx\@tempa\relax
17264 \else
17265 \\\andname \\\expandafter\uc@authornothanks
17266 \fi}
17267 \def\uc@tx{\ifx\@tempa\relax
17268 \else \expandafter\uc@ty \fi}
17269 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
17270 \else
17271 \renewcommand*\maketitle{\par
17272 \begingroup
17273 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17274 \def\@makefnmark{\rlap{%
17275 \@textsuperscript{\normalfont\@thefnmark}}}%
17276 \long\def\@makefntext{\@xmakefntext{%
17277 \@textsuperscript{\normalfont\@thefnmark}}}%
17278 \if@twocolumn
17279 \ifnum \col@number=\@one
17280 \@maketitle
17281 \else
17282 \twocolumn[\@maketitle]%
17283 \fi
17284 \else
17285 \newpage
17286 \global\@topnum\z@
17287 \@maketitle
17288 \fi
17289 \thispagestyle{plain}\@thanks
17290 \endgroup
17291 \setcounter{footnote}{0}%
17292 \global\let\thanks\relax
17293 \global\let\LTRthanks\relax
17294 \global\let\RTLthanks\relax
17295 \global\let\maketitle\relax
17296 \global\let\@maketitle\relax
17297 \global\let\@thanks\@empty
17298 \global\let\@author\@empty
17299 \global\let\@title\@empty
17300 \global\let\@date\@empty
17301 \global\let\title\relax
17302 \global\let\author\relax
17303 \global\let\date\relax
17304 \global\let\and\relax
17305 }
17306 \def\@maketitle{%
17307 \newpage
17308 \null
17309 \vskip 2em%
17310 \if@titlecentered
17311 \begin{center}%
17312 \let \footnote \thanks
17313 \let \LTRfootnote \LTRthanks
17314 \let \RTLfootnote \RTLthanks

```



```

17315     {\LARGE \TitleFont \@title \par}%
17316     \vskip 1.5em%
17317     {\large \TitleFont
17318       \lineskip .5em%
17319       \begin{tabular}[t]{c}%
17320         \@author
17321       \end{tabular}\par}%
17322     \vskip 1em%
17323     {\large \TitleFont \@date}%
17324     \end{center}%
17325   \else
17326     {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
17327     {\large \TitleFont \lineskip .5em \tabcolsep\z@
17328       \def\and{%% \begin{tabular} has already started
17329         \end{tabular}\hskip 1em plus .17fil
17330         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
17331         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\
17332       \vskip 1em {\large \TitleFont \@date}
17333     \fi
17334     \par
17335     \vskip 1.5em}
17336   \fi
17337   \renewcommand*\@regtocline[3]{%
17338     \ifnum #1>\c@tocdepth
17339     \else
17340       \vskip\z@\@plus.2\p@
17341       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
17342         \if@RTL\righskip\else\leftskip\fi\unitindent
17343         \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
17344         \parfillskip\z@
17345         \@tempdima\unitindent
17346         \parindent\z@
17347         \leavevmode
17348         \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
17349         \hskip 1em \nobreak{\slshape #3}\par
17350       }%
17351     \fi}
17352   \if@oldtoc
17353   \renewcommand*\l@part[2]{%
17354     \ifnum \c@tocdepth >-2\relax
17355       \addpenalty{-\@highpenalty}%
17356       \addvspace{2.25em \@plus\p@}%
17357       \begingroup
17358         \setlength\@tempdima{3em}%
17359         \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
17360         \parfillskip -\@pnumwidth
17361         {\leavevmode
17362           \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
17363           \nobreak
17364           \global\@nobreaktrue
17365           \everypar{\global\@nobreakfalse\everypar{}}%
17366         \endgroup
17367       \fi}
17368   \else

```



```

17369 \renewcommand*\l@part{%
17370 \ifnum \c@tocdepth >-2\relax
17371 \addpenalty{-\@highpenalty}%
17372 \addvspace{2.25em \@plus \p@}%
17373 \@regtocline{0}%
17374 \fi}
17375 \fi
17376 \if@oldtoc
17377 \renewcommand*\l@chapter[2]{%
17378 \addpenalty{-\@highpenalty}%
17379 \vskip 1.0em \@plus \p@
17380 \setlength\@tempdima{1.5em}%
17381 \begingroup
17382 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17383 \parfillskip -\@pnumwidth
17384 \leavevmode \bfseries
17385 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
17386 \hskip -\if@RTL\rightskip\else\leftskip\fi
17387 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17388 \penalty\@highpenalty
17389 \endgroup}
17390 \else
17391 \renewcommand*\l@chapter{\@regtocline{0}}
17392 \fi
17393 \renewcommand*\head@style{%
17394 \interlinepenalty \@M
17395 \hyphenpenalty=\@M \exhyphenpenalty=\@M
17396 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
17397 \if@titlepage
17398 \renewenvironment{abstract}{%
17399 \titlepage
17400 \null\vfil
17401 \section*\SectFont\abstractname}%
17402 \noindent\ignorespaces}
17403 {\par\vfil\null\endtitlepage}
17404 \else
17405 \renewenvironment{abstract}{%
17406 \if@twocolumn
17407 \section*\abstractname}%
17408 \else
17409 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
17410 \section*\small\SectFont\abstractname}%
17411 \noindent\ignorespaces
17412 \fi}
17413 {\if@twocolumn\else\par\egroup\fi}
17414 \fi
17415 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
17416 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
17417 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
17418 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
17419 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
17420 \renewcommand*\thefigure{%
17421 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\cfigure}
17422 \renewcommand*\thetable{%

```



```

17423 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
17424 \renewcommand*\theequation{%
17425 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
17426 \renewenvironment{thebibliography}[1]
17427 {\chapter*\bibname}%
17428 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
17429 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17430 \bidi@thebibliography@font@hook%
17431 \list{\@biblabel{\@arabic\c@enumiv}}%
17432 {\settowidth\labelwidth{\@biblabel{#1}}%
17433 \leftmargin\labelwidth
17434 \advance\leftmargin\labelsep
17435 \openbib@code
17436 \usecounter{enumiv}}%
17437 \let\p@enumiv\@empty
17438 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
17439 \sloppy\clubpenalty4000\widowpenalty4000%
17440 \sfcode\.\@m}
17441 {\def\@noitemerr
17442 {\@latex@warning{Empty `thebibliography' environment}}}%
17443 \endlist}
17444 \renewcommand*\left@footnoterule{%
17445 \kern-3\p@
17446 \kern.5\baselineskip
17447 \hrule\@width\unitindent
17448 \kern.4\baselineskip
17449 }
17450 \renewcommand*\right@footnoterule{%
17451 \kern-3\p@
17452 \kern.5\baselineskip
17453 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
17454 \kern.4\baselineskip}
17455 \renewcommand*\head@style{%
17456 \interlinepenalty \@M
17457 \hyphenpenalty=\@M \exhyphenpenalty=\@M
17458 \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

117 File refrep-xetex-bidi.def

```

17459 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
17460 \if@titlepage
17461 \renewcommand\maketitle{\begin{titlepage}%
17462 \let\footnotesize\small
17463 \let\right@footnoterule\relax
17464 \let\left@footnoterule\relax
17465 \let\textwidth\footnoterule\relax
17466 \let\footnote\thanks
17467 \let\LTRfootnote\LTRthanks
17468 \let\RTLfootnote\RTLthanks
17469 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
17470 \def\@makefnmark%
17471 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
17472 \long\def\@makefntext##1{%
17473 \setpar{\@par

```



```

17474         \@tempdima = \hsize
17475         \advance\@tempdima -1em
17476         \parshape \@ne 1em \@tempdima}%
17477     \par\parindent 1em \noindent
17478     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
17479 \null\vfil
17480 \vskip 60\p@
17481 \begin{center}%
17482     {\LARGE \@title \par}%
17483     \vskip 3em%
17484     {\large
17485     \lineskip .75em%
17486     \begin{tabular}[t]{c}%
17487         \@author
17488     \end{tabular}\par}%
17489     \vskip 1.5em%
17490     {\large \@date \par}%           % Set date in \large size.
17491 \end{center}\par
17492 \@thanks
17493 \vfil\null
17494 \end{titlepage}%
17495 \setcounter{footnote}{0}%
17496 \global\let\thanks\relax
17497 \global\let\LTRthanks\relax
17498 \global\let\RTLthanks\relax
17499 \global\let\maketitle\relax
17500 \global\let\@thanks\@empty
17501 \global\let\@author\@empty
17502 \global\let\@date\@empty
17503 \global\let\@title\@empty
17504 \global\let\title\relax
17505 \global\let\author\relax
17506 \global\let\date\relax
17507 \global\let\and\relax
17508 }
17509 \else
17510 \renewcommand\maketitle{\par
17511     \begingroup
17512     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
17513     \def\@makefnmark%
17514         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
17515     \long\def\@makefntext##1{%
17516         \@setpar{\@par
17517             \@tempdima = \hsize
17518             \advance\@tempdima -1em
17519             \parshape \@ne 1em \@tempdima}%
17520         \par\parindent 1em \noindent
17521         \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
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@ % Prevents figures from going at top of page.
17531 \@maketitle
17532 \fi
17533 \thispagestyle{empty}\@thanks
17534 \endgroup
17535 \setcounter{footnote}{0}%
17536 \global\let\thanks\relax
17537 \global\let\LTRthanks\relax
17538 \global\let\RTLthanks\relax
17539 \global\let\maketitle\relax
17540 \global\let\@maketitle\relax
17541 \global\let\@thanks\@empty
17542 \global\let\@author\@empty
17543 \global\let\@date\@empty
17544 \global\let\@title\@empty
17545 \global\let\title\relax
17546 \global\let\author\relax
17547 \global\let\date\relax
17548 \global\let\and\relax
17549 }
17550 \def\@maketitle{%
17551 \newpage
17552 \null
17553 \longthickrule\vskip1.5em%
17554 \let \footnote \thanks
17555 \let \LTRfootnote \LTRthanks
17556 \let \RTLfootnote \RTLthanks
17557 {\secshape \parskip\z@ \parindent\z@
17558 \Large\bfseries \@title \par}%
17559 \vskip1.5em\longthickrule\vskip1.5em%
17560 {\normalsize
17561 \lineskip .5em%
17562 \begin{flushright}%
17563 {\slshape\@author\par}
17564 \vskip 1em%
17565 {\@date}%
17566 \end{flushright}\par}%
17567 \vskip 1.5em}
17568 \fi
17569 \renewcommand*\l@part[2]{%
17570 \ifnum \c@tocdepth >-2\relax
17571 \addpenalty{-\@highpenalty}%
17572 \addvspace{2.25em \@plus\p@}%
17573 \begingroup
17574 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17575 \parfillskip -\@pnumwidth
17576 {\leavevmode
17577 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
17578 \nobreak
17579 \global\@nobreaktrue
17580 \everypar{\global\@nobreakfalse\everypar{}}%
17581 \endgroup

```




```

17582 \fi}
17583 \renewcommand*\l@chapter[2]{%
17584 \ifnum \c@tocdepth >\m@ne
17585 \addpenalty{-\@highpenalty}%
17586 \vskip 1.0em \@plus\p@
17587 \setlength\@tempdima{1.5em}%
17588 \begingroup
17589 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17590 \parfillskip -\@pnumwidth
17591 \leavevmode \bfseries
17592 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
17593 \hskip -\if@RTL\rightskip\else\leftskip\fi
17594 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17595 \penalty\@highpenalty
17596 \endgroup
17597 \fi}
17598 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
17599 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
17600 \hyphenpenalty=2000}
17601 \renewcommand\left@footnoterule{%
17602 \kern-3\p@
17603 \hrule\@width.4\columnwidth
17604 \kern 2.6\p@}
17605 \renewcommand\right@footnoterule{%
17606 \kern-3\p@
17607 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17608 \kern2.6\p@}
17609 \renewcommand\theequation
17610 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
17611 \renewcommand\thefigure
17612 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
17613 \renewcommand\thetable%
17614 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
17615 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
17616 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
17617 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
17618 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
17619 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
17620 \renewenvironment{thebibliography}[1]
17621 {\chapter*{\bibname
17622 \@mkboth{\bibname}{\bibname}}%
17623 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17624 \bidi@thebibliography@font@hook%
17625 \list{\@biblabel{\@arabic\c@enumiv}}%
17626 {\settowidth\labelwidth{\@biblabel{#1}}%
17627 \leftmargin\labelwidth
17628 \advance\leftmargin\labelsep
17629 \@openbib@code
17630 \usecounter{enumiv}%
17631 \let\p@enumiv\@empty
17632 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
17633 \sloppy
17634 \clubpenalty4000
17635 \@clubpenalty \clubpenalty

```



```

17636         \widowpenalty4000%
17637         \sfcode`\.=\@m}
17638     {\def\@noitemerr
17639         {\@latex@warning{Empty `thebibliography' environment}}}%
17640     \endlist}

```

118 File report-xetex-bidi.def

```

17641 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
17642 \renewenvironment{theindex}
17643     {\if@twocolumn
17644         \@restonecolfalse
17645         \else
17646             \@restonecoltrue
17647         \fi
17648         \columnseprule \z@
17649         \columnsep 35\p@
17650         \twocolumn[\@makeschapterhead{\indexname}]%
17651         \@mkboth{\MakeUppercase\indexname}%
17652                 {\MakeUppercase\indexname}%
17653         \thispagestyle{plain}\parindent\z@
17654         \parskip\z@ \@plus .3\p@\relax
17655         \let\item\@idxitem}
17656     {\if@restonecol\onecolumn\else\clearpage\fi}
17657 \if@titlepage
17658 \renewcommand\maketitle{\begin{titlepage}%
17659 \let\footnotesize\small
17660 \let\right@footnoterule\relax
17661 \let\left@footnoterule\relax
17662 \let\textwidth@footnoterule\relax
17663 \let \footnote \thanks
17664 \let \LTRfootnote \LTRthanks
17665 \let \RTLfootnote \RTLthanks
17666 \null\vfil
17667 \vskip 60\p@
17668 \begin{center}%
17669     {\LARGE \@title \par}%
17670     \vskip 3em%
17671     {\large
17672         \lineskip .75em%
17673         \begin{tabular}[t]{c}%
17674             \@author
17675         \end{tabular}\par}%
17676         \vskip 1.5em%
17677         {\large \@date \par}%           % Set date in \large size.
17678 \end{center}\par
17679 \@thanks
17680 \vfil\null
17681 \end{titlepage}%
17682 \setcounter{footnote}{0}%
17683 \global\let\thanks\relax
17684 \global\let\LTRthanks\relax
17685 \global\let\RTLthanks\relax
17686 \global\let\maketitle\relax

```



```

17687 \global\let\@thanks\@empty
17688 \global\let\@author\@empty
17689 \global\let\@date\@empty
17690 \global\let\@title\@empty
17691 \global\let\title\relax
17692 \global\let\author\relax
17693 \global\let\date\relax
17694 \global\let\and\relax
17695 }
17696 \else
17697 \renewcommand\maketitle{\par
17698 \begingroup
17699 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
17700 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
17701 \long\def\@makefntext##1{\parindent 1em\noindent
17702 \hspace{1.8em}%
17703 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
17704 \if@twocolumn
17705 \ifnum \col@number=\@one
17706 \@maketitle
17707 \else
17708 \twocolumn[\@maketitle]%
17709 \fi
17710 \else
17711 \newpage
17712 \global\@topnum\z@ % Prevents figures from going at top of page.
17713 \@maketitle
17714 \fi
17715 \thispagestyle{plain}\@thanks
17716 \endgroup
17717 \setcounter{footnote}{0}%
17718 \global\let\thanks\relax
17719 \global\let\LTRthanks\relax
17720 \global\let\RTLthanks\relax
17721 \global\let\maketitle\relax
17722 \global\let\@maketitle\relax
17723 \global\let\@thanks\@empty
17724 \global\let\@author\@empty
17725 \global\let\@date\@empty
17726 \global\let\@title\@empty
17727 \global\let\title\relax
17728 \global\let\author\relax
17729 \global\let\date\relax
17730 \global\let\and\relax
17731 }
17732 \def\@maketitle{%
17733 \newpage
17734 \null
17735 \vskip 2em%
17736 \begin{center}%
17737 \let \footnote \thanks
17738 \let \LTRfootnote \LTRthanks
17739 \let \RTLfootnote \RTLthanks
17740 {\LARGE \@title \par}%

```



```

17741 \vskip 1.5em%
17742 {\large
17743 \lineskip .5em%
17744 \begin{tabular}[t]{c}%
17745 \author
17746 \end{tabular}\par}%
17747 \vskip 1em%
17748 {\large \@date}%
17749 \end{center}%
17750 \par
17751 \vskip 1.5em}
17752 \fi
17753 \renewcommand*\l@part[2]{%
17754 \ifnum \c@tocdepth >-2\relax
17755 \addpenalty{-\@highpenalty}%
17756 \addvspace{2.25em \@plus\p@}%
17757 \setlength\@tempdima{3em}%
17758 \begingroup
17759 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17760 \parfillskip -\@pnumwidth
17761 {\leavevmode
17762 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
17763 \nobreak
17764 \global\@nobreaktrue
17765 \everypar{\global\@nobreakfalse\everypar{}}%
17766 \endgroup
17767 \fi}
17768 \renewcommand*\l@chapter[2]{%
17769 \ifnum \c@tocdepth >\m@ne
17770 \addpenalty{-\@highpenalty}%
17771 \vskip 1.0em \@plus\p@
17772 \setlength\@tempdima{1.5em}%
17773 \begingroup
17774 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17775 \parfillskip -\@pnumwidth
17776 \leavevmode \bfseries
17777 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
17778 \hskip -\if@RTL\rightskip\else\leftskip\fi
17779 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17780 \penalty\@highpenalty
17781 \endgroup
17782 \fi}
17783 \renewcommand\left@footnoterule{%
17784 \kern-3\p@
17785 \hrule\@width.4\columnwidth
17786 \kern2.6\p@}
17787 \renewcommand\right@footnoterule{%
17788 \kern-3\p@
17789 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17790 \kern2.6\p@}
17791 \renewcommand\theequation
17792 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
17793 \renewcommand \thefigure
17794 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}

```



```

17795 \renewcommand \thetable
17796     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
17797 \renewcommand \thechapter {\@arabic\c@chapter}
17798 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
17799 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
17800 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
17801 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
17802 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
17803 \def \@makechapterhead#1{%
17804     \vspace*{50\p@}%
17805     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
17806         \ifnum \c@secnumdepth >\m@ne
17807             \huge\bfseries \@chapapp\space \thechapter
17808             \par\nobreak
17809             \vskip 20\p@
17810         \fi
17811         \interlinepenalty\@M
17812         \Huge \bfseries #1\par\nobreak
17813         \vskip 40\p@
17814     }}
17815 \def \@makeschapterhead#1{%
17816     \vspace*{50\p@}%
17817     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
17818         \normalfont
17819         \interlinepenalty\@M
17820         \Huge \bfseries #1\par\nobreak
17821         \vskip 40\p@
17822     }}
17823 \renewenvironment{thebibliography}[1]
17824     {\chapter*{\bibname}%
17825         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
17826         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17827         \bidi@thebibliography@font@hook%
17828         \list{\@biblabel{\@arabic\c@enumiv}}%
17829             {\settowidth\labelwidth{\@biblabel{#1}}%
17830              \leftmargin\labelwidth
17831              \advance\leftmargin\labelsep
17832              \@openbib@code
17833              \usecounter{enumiv}%
17834              \let\p@enumiv\@empty
17835              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
17836         \sloppy
17837         \clubpenalty4000
17838         \@clubpenalty \clubpenalty
17839         \widowpenalty4000%
17840         \sfcode`. \m@n}
17841     {\def\@noitemerr
17842         {\@latex@warning{Empty `thebibliography' environment}}}%
17843     \endlist}

```

119 File rotating-xetex-bidi.def

```

17844 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
17845 \def\end@rotfloat{%

```



```

17846 \end{minipage}\end{lrbox}%
17847 \stepcounter{r@tfl@t}%
17848 \rot@label{RF\ther@tfl@t}%
17849 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
17850 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
17851 \rot@mess@toks\expandafter{\@tempa}
17852 \wd\rot@float@box\z@
17853 \ht\rot@float@box\z@
17854 \dp\rot@float@box\z@
17855 \vboxL to \textheight{%
17856 \setkeys{Grot}{units=360}}%
17857 \if@rot@twoside
17858 \else
17859 \let\R@@page\rot@LR
17860 \fi
17861 \ifthenelse{\isodd{\R@@page}}{%
17862 \if@rot@twoside
17863 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
17864 \fi
17865 \vfill
17866 @@line{%
17867 \hskip\rotFPtop
17868 \rotatebox{90}{\box\rot@float@box}%
17869 \hskip\rotFPbot
17870 }%
17871 }{%
17872 \if@rot@twoside
17873 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
17874 \fi
17875 @@line{%
17876 \hskip\rotFPbot
17877 \rotatebox{-90}{\box\rot@float@box}%
17878 \hskip\rotFPtop
17879 }%
17880 \vfill
17881 }%
17882 \rot@message{\the\rot@mess@toks}
17883 }%
17884 \end@float
17885 }
17886 \let\endsidewaysfigure\end@rotfloat
17887 \let\endsidewaystable\end@rotfloat
17888 \def\end@rotdblfloat{%
17889 \end{minipage}\end{lrbox}%
17890 \stepcounter{r@tfl@t}%
17891 \rot@label{RF\ther@tfl@t}%
17892 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
17893 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
17894 \rot@mess@toks\expandafter{\@tempa}
17895 \@tempdima\ht\rot@float@box
17896 \advance\@tempdima by \dp\rot@float@box
17897 \wd\rot@float@box\z@
17898 \ht\rot@float@box\z@
17899 \dp\rot@float@box\z@

```



```

17900 \vboxL to \textheight{%
17901   \setkeys{Grot}{units=360}%
17902   \if@rot@twoside
17903   \else
17904     \let\R@@page\rot@LR
17905   \fi
17906   \ifthenelse{\isodd{\R@@page}}{%
17907     \ifrot@messages
17908     \if@rot@twoside
17909     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
17910 \fi
17911   \fi
17912   \vfill
17913   \@@line{%
17914     \hskip\rotFPtop
17915     \rotatebox{90}{\box\rot@float@box}%
17916     \hskip\rotFPbot
17917   }%
17918   }{%
17919     \ifrot@messages
17920     \if@rot@twoside
17921     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
17922 \fi
17923   \fi%
17924   \@@line{%
17925     \hskip\rotFPbot
17926     \rotatebox{-90}{\box\rot@float@box}%
17927     \hskip\rotFPtop
17928   }%
17929   \vfill
17930   }%
17931   \rot@message{\the\rot@mess@toks}%
17932   }%
17933   \end@dblfloat
17934 }
17935 \def\turn#1{%
17936   \Grot@setangle{#1}%
17937   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17938 \def\endturn{%
17939   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17940   \unskip\color@endbox
17941   \Grot@x\z@
17942   \Grot@y\z@
17943   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17944 }
17945 \def\rotate#1{%
17946   \Grot@setangle{#1}%
17947   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17948 \def\endrotate{%
17949   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17950   \unskip\color@endbox
17951   \Grot@x\z@
17952   \Grot@y\z@
17953   \wd0\z@\dp0\z@\ht0\z@

```



```

17954 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17955 }
17956 \def\turnbox#1#2{%
17957   \Grot@setangle{#1}%
17958   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
17959   \Grot@x\z@\Grot@y\z@
17960   \wd0\z@\dp0\z@\ht0\z@
17961   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17962 }
17963 \def\sideways{%
17964   \Grot@setangle{90}%
17965   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17966 \def\endsideways{%
17967   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17968   \unskip\color@endbox
17969   \Grot@x\z@
17970   \Grot@y\z@
17971   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17972 }

```

120 File scrartcl-xetex-bidi.def

```

17973 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
17974 \newcommand{\scr@saved@LTRfootnotetext}{}
17975 \newcommand{\scr@saved@RTLfootnotetext}{}
17976 \let\scr@saved@footnotetext\@footnotetext
17977 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17978 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17979 \renewcommand{\@footnotetext}[1]{%
17980   \scr@saved@footnotetext{#1}%
17981   \csname FN@mfp@prepare\endcsname
17982 }
17983 \renewcommand{\@LTRfootnotetext}[1]{%
17984   \scr@saved@LTRfootnotetext{#1}%
17985   \csname FN@mfp@prepare\endcsname
17986 }
17987 \renewcommand{\@RTLfootnotetext}[1]{%
17988   \scr@saved@RTLfootnotetext{#1}%
17989   \csname FN@mfp@prepare\endcsname
17990 }
17991 \renewcommand\deffootnote[4][1]{%
17992   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
17993     \long\def\@makefntext##1{%
17994       \ExecuteDoHook{footnote/text/begin}%
17995       \raggedfootnote
17996       \if@RTL
17997         \rightskip
17998       \else
17999         \leftskip
18000       \fi
18001       #2
18002       \l@addto@macro\@trivlist{%
18003         \ifnum\@listdepth=\@ne
18004           \if@RTL

```




```

18005         \advance\rightmargin #2\relax
18006     \else
18007         \advance\leftmargin #2\relax
18008     \fi
18009 \fi
18010 }%
18011 \parindent #3\noindent
18012 \IfArgIsEmpty{#1}{-}{%
18013     \hskip \dimexpr #1-#2\relax
18014 }%
18015 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18016 \ExecuteDoHook{footnote/text/end}%
18017 }%
18018 \else
18019     \ClassInfo{\KOMAClassName}{%
18020         Using old \string\@makefnmark\space due to compatibility
18021         level\MessageBreak
18022         less than 3.22}%
18023     \long\def\@makefnmark##1{%
18024         \setlength{\@tempdimc}{#3}%
18025         \def\@tempa{#1}\ifx\@tempa\@empty
18026             \@setpar{\@par
18027                 \@tempdima = \hsize
18028                 \addtolength{\@tempdima}{-#2}%
18029                 \if@RTL
18030                     \parshape \@ne \z@ \@tempdima
18031                 \else
18032                     \parshape \@ne #2 \@tempdima
18033                 \fi}%
18034         \else
18035             \addtolength{\@tempdimc}{#2}%
18036             \addtolength{\@tempdimc}{-#1}%
18037             \@setpar{\@par
18038                 \@tempdima = \hsize
18039                 \addtolength{\@tempdima}{-#1}%
18040                 \@tempdimb = \hsize
18041                 \addtolength{\@tempdimb}{-#2}%
18042                 \if@RTL
18043                     \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
18044                 \else
18045                     \parshape \tw@ #1 \@tempdima #2 \@tempdimb
18046                 \fi
18047             }%
18048         \fi
18049     \par
18050     \parindent\@tempdimc\noindent
18051     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18052 }%
18053 \fi
18054 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18055 }
18056 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18057 \renewcommand*\left@footnoterule{%
18058     \normalsize\ftn@rule@test@values

```



```

18059 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18060 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18061 {\usekomafont{footnoterule}{%
18062   \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18063 \kern 2.6\p@}
18064 \renewcommand*\right@footnoterule{%
18065   \normalsize\ftn@rule@test@values
18066   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18067   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18068   {\usekomafont{footnoterule}{%
18069     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
18070     \kern 2.6\p@}
18071   \renewcommand*\maketitle[1][1]{%
18072     \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
18073     \else
18074       \def\and{%
18075         \end{tabular}%
18076         \hskip 1em \@plus.17fil%
18077         \begin{tabular}[t]{c}%
18078       }%
18079     \fi
18080     \if@titlepage
18081       \begin{titlepage}
18082         \setcounter{page}{%
18083           #1%
18084         }%
18085         \if@titlepageiscoverpage
18086           \edef\tITLEPAGE@restore{%
18087             \noexpand\endgroup
18088             \noexpand\global\noexpand\@colht\the\@colht
18089             \noexpand\global\noexpand\@colroom\the\@colroom
18090             \noexpand\global\vsizethe\vsizethe
18091             \noexpand\global\noexpand\@titlepageiscoverpagefalse
18092             \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
18093           }%
18094           \begingroup
18095             \topmargin=\dimexpr \coverpagetopmargin-1in\relax
18096             \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
18097             \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
18098             \textwidth=\dimexpr
18099             \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
18100             \textheight=\dimexpr
18101             \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
18102             \headheight=0pt
18103             \headsep=0pt
18104             \footskip=\baselineskip
18105             \@colht=\textheight
18106             \@colroom=\textheight
18107             \vsizethe\textheight
18108             \columnwidth=\textwidth
18109             \hsize=\columnwidth
18110             \linewidth=\hsize
18111           \else
18112             \let\tITLEPAGE@restore\relax

```



```

18113 \fi
18114 \let\footnotesize\small
18115 \let\right@footnoterule\relax
18116 \let\left@footnoterule\relax
18117 \let\textwidth@footnoterule\relax
18118 \let\footnote\thanks
18119 \let\LTRfootnote\LTRthanks
18120 \let\RTLfootnote\RTLthanks
18121 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18122 \let\@oldmakefnmark\@makefnmark
18123 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
18124 \ifx\@extratitle\@empty
18125 \ifx\@frontispiece\@empty
18126 \else
18127 \if@twoside\mbox{}\next@tpage\fi
18128 \noindent\@frontispiece\next@tdpage
18129 \fi
18130 \else
18131 \noindent\@extratitle
18132 \ifx\@frontispiece\@empty
18133 \else
18134 \next@tpage
18135 \noindent\@frontispiece
18136 \fi
18137 \next@tdpage
18138 \fi
18139 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
18140 \ifx\@titlehead\@empty \else
18141 \begin{minipage}[t]{\textwidth}%
18142 \usekomafont{titlehead}{\@titlehead\par}%
18143 \end{minipage}\par
18144 \fi
18145 \null\vfill
18146 \begin{center}
18147 \ifx\@subject\@empty \else
18148 {\usekomafont{subject}{\@subject\par}}%
18149 \vskip 3em
18150 \fi
18151 {\usekomafont{title}{\huge \@title\par}}%
18152 \vskip 1em
18153 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
18154 \vskip 2em
18155 {%
18156 \usekomafont{author}{%
18157 \lineskip 0.75em
18158 \begin{tabular}[t]{c}
18159 \@author
18160 \end{tabular}\par
18161 }%
18162 }%
18163 \vskip 1.5em
18164 {\usekomafont{date}{\@date \par}}%
18165 \vskip \z@ \@plus 3fill
18166 {\usekomafont{publishers}{\@publishers \par}}%

```



```

18167      \vskip 3em
18168      \end{center}\par
18169      \@thanks\global\let\@thanks\@empty
18170      \vfill\null
18171      \if@twoside
18172        \@tempswatrue
18173        \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
18174        \else
18175          \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
18176            \@tempswafalse
18177          \fi\fi
18178        \fi
18179        \if@tempswa
18180          \next@tpage
18181          \begin{minipage}[t]{\textwidth}
18182            \@uppertitleback
18183          \end{minipage}\par
18184          \vfill
18185          \begin{minipage}[b]{\textwidth}
18186            \@lowertitleback
18187          \end{minipage}\par
18188          \@thanks\global\let\@thanks\@empty
18189        \fi
18190      \else
18191        \ifx\@uppertitleback\@empty\else
18192          \ClassWarning{\KOMAClassName}{%
18193            non empty \string\uppertitleback\space ignored
18194            by \string\maketitle\MessageBreak
18195            in `twoside=false' mode%
18196          }%
18197        \fi
18198        \ifx\@lowertitleback\@empty\else
18199          \ClassWarning{\KOMAClassName}{%
18200            non empty \string\lowertitleback\space ignored
18201            by \string\maketitle\MessageBreak
18202            in `twoside=false' mode%
18203          }%
18204        \fi
18205      \fi
18206      \ifx\@dedication\@empty
18207      \else
18208        \next@tdpage\null\vfill
18209        {\centering\usekomafont{dedication}{\@dedication \par}}%
18210        \vskip \z@ \@plus3fill
18211        \@thanks\global\let\@thanks\@empty
18212        \cleardoubleemptypage
18213      \fi
18214      \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
18215    \end{titlepage}
18216  \else
18217    \par
18218    \@tempcnta=%
18219    #1%
18220    \relax\ifnum\@tempcnta=1\else

```



```

18221 \ClassWarning{\KOMAClassName}{%
18222   Optional argument of \string\maketitle\space ignored\MessageBreak
18223   in `titlepage=false' mode%
18224 }%
18225 \fi
18226 \ifx\@uppertitleback\@empty\else
18227   \ClassWarning{\KOMAClassName}{%
18228     non empty \string\uppertitleback\space ignored
18229     by \string\maketitle\MessageBreak
18230     in `titlepage=false' mode%
18231   }%
18232 \fi
18233 \ifx\@lowertitleback\@empty\else
18234   \ClassWarning{\KOMAClassName}{%
18235     non empty \string\lowertitleback\space ignored
18236     by \string\maketitle\MessageBreak
18237     in `titlepage=false' mode%
18238   }%
18239 \fi
18240 \beginngroup
18241   \let\titlepage@restore\relax
18242   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18243   \let\@oldmakefnmark\@makefnmark
18244   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
18245   \next@tdpage
18246   \if@twocolumn
18247     \ifnum \col@number=\@one
18248       \ifx\@extratitle\@empty
18249         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
18250       \else
18251         \@makeextratitle
18252       \fi
18253       \ifx\@frontispiece\@empty
18254         \ifx\@extratitle\@empty\else\next@tdpage\fi
18255       \else
18256         \next@tpage
18257         \@makefrontispiece
18258         \next@tdpage
18259       \fi
18260       \@maketitle
18261     \else
18262       \ifx\@extratitle\@empty
18263         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
18264       \else
18265         \twocolumn[\@makeextratitle]%
18266       \fi
18267       \ifx\@frontispiece\@empty
18268         \ifx\@extratitle\@empty\else\next@tdpage\fi
18269       \else
18270         \next@tpage
18271         \twocolumn[\@makefrontispiece]%
18272         \next@tdpage
18273       \fi
18274       \twocolumn[\@maketitle]%

```



```

18275     \fi
18276   \else
18277     \ifx\@extratitle\@empty
18278       \ifx\@frontispiece\@empty\else \mbox{}\fi
18279     \else
18280       \@makeextratitle
18281     \fi
18282     \ifx\@frontispiece\@empty
18283       \ifx\@extratitle\@empty\else\next@tdpage\fi
18284     \else
18285       \next@tpage
18286       \@makefrontispiece
18287       \next@tdpage
18288     \fi
18289     \@maketitle
18290   \fi
18291   \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
18292   \@thanks\global\let\@thanks\@empty
18293 \endgroup
18294 \fi
18295 \setcounter{footnote}{0}%
18296 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
18297   \let\thanks\relax
18298   \let\LTRthanks\relax
18299   \let\RTLthanks\relax
18300   \let\maketitle\relax
18301   \let\@maketitle\relax
18302   \global\let\@thanks\@empty
18303   \global\let\@author\@empty
18304   \global\let\@date\@empty
18305   \global\let\@title\@empty
18306   \global\let\@subtitle\@empty
18307   \global\let\@extratitle\@empty
18308   \global\let\@frontispiece\@empty
18309   \global\let\@titlehead\@empty
18310   \global\let\@subject\@empty
18311   \global\let\@publishers\@empty
18312   \global\let\@uppertitleback\@empty
18313   \global\let\@lowertitleback\@empty
18314   \global\let\@dedication\@empty
18315   \global\let\author\relax
18316   \global\let\title\relax
18317   \global\let\extratitle\relax
18318   \global\let\titlehead\relax
18319   \global\let\subject\relax
18320   \global\let\publishers\relax
18321   \global\let\uppertitleback\relax
18322   \global\let\lowertitleback\relax
18323   \global\let\dedication\relax
18324   \global\let\date\relax
18325 \fi
18326 \global\let\and\relax
18327 }%
18328 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}

```



```

18329 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
18330 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18331 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
18332 \renewcommand*{\thesubsubsection}{%
18333   \thesubsection\@SepMark\@arabic\c@subsubsection
18334 }
18335 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18336 \renewcommand*{\thesubparagraph}{%
18337   \theparagraph\@SepMark\@arabic\c@subparagraph
18338 }
18339 \renewenvironment{thebibliography}[1]{%
18340   \if@bib@break@
18341     \bib@beginhook
18342   \else
18343     \bib@heading
18344     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18345       \noindent\bibpreamble\par\nobreak
18346     \fi\fi
18347     \bib@beginhook
18348     \bib@before@hook
18349   \fi
18350   \renewcommand{\BreakBibliography}[1]{%
18351     \@bib@break
18352     \end{thebibliography}%
18353     \begingroup ##1\endgroup
18354     \begin{thebibliography}{#1}
18355   }%
18356   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18357   \bidi@thebibliography@font@hook%
18358   \list{%
18359     \@biblabel{\@arabic\c@enumiv}%
18360   }{%
18361     \settowidth\labelwidth{\@biblabel{#1}}%
18362     \leftmargin\labelwidth
18363     \advance\leftmargin\labelsep
18364     \@openbib@code
18365     \if@bib@break@
18366       \edef\@tempa{%
18367         \noexpand\usecounter{enumiv}%
18368         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18369       }\@tempa
18370       \no@bib@break
18371     \else
18372       \usecounter{enumiv}%
18373     \fi
18374     \let\p@enumiv\@empty
18375     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18376   }%
18377   \sloppy\clubpenalty4000 \widowpenalty4000
18378   \sfcode`\.=\@m
18379 }{%
18380   \if@bib@break@
18381     \def\@noitemerr{%
18382       \@latex@warning{%

```



```

18383     \string\BreakBibliography\space at begin of `thebibliography'
18384     environment\MessageBreak
18385     or following \string\BreakBibliography}%
18386   }%
18387 \else
18388   \def\@noitemerr{%
18389     \@latex@warning{%
18390       Empty `thebibliography' environment or
18391       \string\BreakBibliography\MessageBreak
18392       before end of `thebibliography' environment}%
18393   }%
18394 \fi
18395 \endlist
18396 \if@bib@break@
18397 \else
18398   \bib@after@hook
18399   \let\bib@before@hook\@empty
18400   \let\bib@after@hook\@empty
18401 \fi
18402 \bib@endhook
18403 }
18404 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18405 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18406 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18407 \renewcommand\marginline[1]{%
18408   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
18409 }
18410 \renewcommand{\@makecaption}[3]{%
18411   \cap@margin
18412   \begingroup
18413     \ifonelinecaptions
18414       \def\stepcounter##1{\advance\value{##1}\@one}%
18415       \let\refstepcounter\stepcounter
18416       \let\label\@gobble
18417       \let\@footnotetext=\@gobble
18418       \let\@LTRfootnotetext=\@gobble
18419       \let\@RTLfootnotetext=\@gobble
18420       \let\hypertarget\@gobbletwo
18421       \edef\xnewline{%
18422         \unexpanded{\ClassInfo{\KOMACClassName}}{%
18423           Workaround for not recommended usage of \string\\ or\MessageBreak
18424           \string\newline in caption text
18425         }%
18426         \hspace*{\linewidth}\hspace{1sp}%
18427       }%
18428       \unexpanded\expandafter{\xnewline}%
18429     }%
18430     \edef\xcentercr{%
18431       \unexpanded{\ClassInfo{\KOMACClassName}}{%
18432         Workaround for not recommended usage of \string\\ or\MessageBreak
18433         \string\newline in caption text
18434       }%
18435       \hspace*{\linewidth}\hspace{1sp}%
18436     }%

```




```

18437         \unexpanded\expandafter{\@xcentercr}%
18438     }%
18439     \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
18440     \ifdim\@tempdima>\cap@width
18441         \aftergroup\scr@makemultilinecaption
18442     \else
18443         \aftergroup\scr@makesinglelinecaption
18444     \fi
18445 \else
18446     \aftergroup\scr@makemultilinecaption
18447 \fi
18448 \endgroup
18449 {#1}{#2}{#3}%
18450 }
18451 \renewcommand{\scr@makesinglelinecaption}[3]{%
18452     {%
18453         \usefontofkomafont{caption}{%
18454             \hb@xt@ \hsizex{%
18455                 \cap@left
18456                 \if@RTL
18457                     \beginR
18458                     \fi
18459                 \scr@makesinglelinecaption{#1}{#2}{#3}%
18460                 \if@RTL
18461                     \endR
18462                 \fi
18463                 \cap@right
18464             }\par\kern\dp\strutbox%
18465         }%
18466     }\kern-\dp\strutbox
18467 }
18468 \renewcommand{\@makecaption}[2]{%
18469     \if@captionabove
18470         \vskip\belowcaptionskip
18471     \else
18472         \vskip\abovecaptionskip
18473     \fi
18474     \@makecaption\@firstofone{#1}{#2}%
18475     \if@captionabove
18476         \vskip\abovecaptionskip
18477     \else
18478         \vskip\belowcaptionskip
18479     \fi
18480 }
18481
18482 \renewcommand{\scr@makesinglelinecaption}[3]{%
18483     {\usekomafont{caption}{\strut\ignorespaces
18484         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
18485         \ignorespaces #3\unskip}}%
18486 }
18487
18488 \renewcommand{\scr@makemultilinecaption}[3]{%
18489     {%
18490         \usefontofkomafont{caption}{%

```



```

18491 \hb@xt@\hsize{%
18492 \cap@left
18493 \vbox{\hsize\cap@width\linewidth\hsize
18494 \scr@ifundefinedorrelax{@captype}{%
18495 \ClassWarning{\KOMAClassName}{%
18496 `string\caption' outside float.\MessageBreak
18497 Seems you are using `string\caption' outside a
18498 float.\MessageBreak
18499 Maybe you are using a package that uses
18500 `string\@makecaption'\MessageBreak
18501 without setting `string\@captype' before.\MessageBreak
18502 Because I cannot detect the caption type, I'm using\MessageBreak
18503 the empty one.%
18504 }%
18505 \let\@captype\@empty
18506 }{}%
18507 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
18508 \@nameuse{ragged\@captype caption}%
18509 }%
18510 \ifdofullc@p
18511 \hangfrom{%
18512 \strut
18513 \scr@smashdp{%
18514 #1{%
18515 \usekomafont{caption}{%
18516 \usekomafont{captionlabel}{#2\captionformat}%
18517 }%
18518 }%
18519 }%
18520 }%
18521 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
18522 \else
18523 \ifdim\cap@indent<\z@
18524 \strut
18525 #1{%
18526 {\usekomafont{caption}{%
18527 \usekomafont{captionlabel}{#2\captionformat}%
18528 }%
18529 }\par}%
18530 \noindent{{\usekomafont{caption}{%
18531 \hspace*{-\cap@indent}#3\scr@endstrut
18532 }}\par}%
18533 \else
18534 \if@capbreak
18535 \strut
18536 #1{%
18537 {\usekomafont{caption}{%
18538 \usekomafont{captionlabel}{#2\captionformat}%
18539 }%
18540 }\par}%
18541 \noindent\hangfrom{\hspace*{\cap@indent}}%
18542 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
18543 \else
18544 \hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%

```



```

18545             {%
18546             \hspace{-\cap@indent}%
18547             \scr@smashdp{%
18548             #1{\usekomafont{caption}{%
18549             \usekomafont{captionlabel}{#2\captionformat}%
18550             }%
18551             }%
18552             }%
18553             {\usekomafont{caption}{#3\scr@endstrut}}\par}%
18554             }%
18555             \fi
18556             \fi
18557             \fi
18558             }%
18559             \cap@right
18560         }\par\kern\dp\strutbox
18561     }%
18562 }\kern-\dp\strutbox
18563 }
18564
18565 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18566 \if@komalongtable
18567 \renewcommand{\LT@makecaption}[3]{%
18568 \noalign{%
18569 \if@captionabove
18570 \vskip\belowcaptionskip
18571 \else
18572 \vskip\abovecaptionskip
18573 \fi
18574 }%
18575 \LT@mcol\LT@cols c{%
18576 \hbox to\z@{\hss\parbox[t]{\linewidth{%
18577 \def\@captype{table}%
18578 \@makecaption{#1}{#2}{#3}%
18579 \endgraf
18580 \if@captionabove
18581 \vskip\abovecaptionskip
18582 \else
18583 \vskip\belowcaptionskip
18584 \fi
18585 }%
18586 \hss
18587 }%
18588 }%
18589 }%
18590 \renewcommand*{\scr@LT@array}{}%
18591 \let\scr@LT@array=\LT@array
18592 \renewcommand*{\LT@array}{%
18593 \let\scr@caption=\LT@caption
18594 \def\captionabove{\noalign{\global\@captionabovetrue}%
18595 \scr@caption}%
18596 \def\captionbelow{\noalign{\global\@captionabovetrue}%
18597 \scr@caption}%
18598 \if@tablecaptionabove

```



```

18599         \let\LT@caption=\captionabove
18600     \else
18601         \let\LT@caption=\captionbelow
18602     \fi
18603     \scr@LT@array
18604 }%
18605 \ClassInfo{\KOMAClassName}{%
18606     longtable captions redefined%
18607 }%
18608 \fi
18609 }
18610
18611 \CloneTOCEntryStyle{tocline}{part}
18612 \TOCEntryStyleStartInitCode{part}{%
18613     \expandafter\renewcommand%
18614     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18615     \expandafter\renewcommand%
18616     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18617     \expandafter\renewcommand%
18618     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18619         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18620     \expandafter\renewcommand\expandafter*%
18621     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18622 }
18623
18624 \CloneTOCEntryStyle{tocline}{section}
18625 \TOCEntryStyleStartInitCode{section}{%
18626     \expandafter\renewcommand%
18627     \csname scr@tso@#1@linefill\endcsname{%
18628         \if@sectionentrywithdots
18629             {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
18630         \else
18631             \hfill
18632         \fi
18633     }%
18634     \expandafter\renewcommand%
18635     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
18636     \expandafter\renewcommand%
18637     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
18638     \expandafter\renewcommand\expandafter*%
18639     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18640 }
18641
18642 \CloneTOCEntryStyle{tocline}{subsection}
18643 \TOCEntryStyleStartInitCode{subsection}{%
18644     \expandafter\renewcommand%
18645     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18646     \expandafter\renewcommand%
18647     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18648         {\normalfont\normalcolor ##1}}%
18649 }
18650
18651 \CloneTOCEntryStyle{subsection}{default}
18652

```



```

18653 \DeclareSectionCommand[%
18654   style=section,%
18655   level=1,%
18656   indent=\z@,%
18657   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
18658   afterskip=2.3ex \@plus .2ex,%
18659   tocstyle=section,%
18660   tocindent=0pt,%
18661   tocnumwidth=1.5em%
18662 ]{section}
18663 \DeclareSectionCommand[%
18664   style=part,%
18665   level=\z@,%
18666   tocstyle=part,%
18667   toplevel=\m@ne,%
18668   tocindent=\z@,%
18669   tocnumwidth=2em%
18670 ]{part}
18671 \DeclareSectionCommand[%
18672   style=section,%
18673   level=2,%
18674   indent=\z@,%
18675   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18676   afterskip=1.5ex \@plus .2ex,%
18677   tocstyle=subsection,%
18678   tocindent=1.5em,%
18679   tocnumwidth=2.3em%
18680 ]{subsection}
18681 \DeclareSectionCommand[%
18682   style=section,%
18683   level=3,%
18684   indent=\z@,%
18685   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18686   afterskip=1.5ex \@plus .2ex,%
18687   tocstyle=subsection,%
18688   tocindent=3.8em,%
18689   tocnumwidth=3.2em%
18690 ]{subsubsection}
18691 \DeclareSectionCommand[%
18692   style=section,%
18693   level=4,%
18694   indent=\z@,%
18695   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
18696   afterskip=-1em,%
18697   tocstyle=subsection,%
18698   tocindentfollows=subsubsection,%
18699   tocindent=7.0em,%
18700   tocnumwidth=4.1em%
18701 ]{paragraph}
18702 \DeclareSectionCommand[%
18703   style=section,%
18704   level=5,%
18705   indent=\scr@parindent,%
18706   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%

```



```

18707 afterskip=-1em,%
18708 tocstyle=subsection,%
18709 tocindent=10em,%
18710 tocnumwidth=5em%
18711 ]{subparagraph}

```

121 File scrbook-xetex-bidi.def

```

18712 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
18713 \newcommand{\scr@saved@LTRfootnotetext}{}
18714 \newcommand{\scr@saved@RTLfootnotetext}{}
18715 \let\scr@saved@footnotetext\@footnotetext
18716 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18717 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18718 \renewcommand{\@footnotetext}[1]{%
18719   \scr@saved@footnotetext{#1}%
18720   \csname FN@mfb@prepare\endcsname
18721 }
18722 \renewcommand{\@LTRfootnotetext}[1]{%
18723   \scr@saved@LTRfootnotetext{#1}%
18724   \csname FN@mfb@prepare\endcsname
18725 }
18726 \renewcommand{\@RTLfootnotetext}[1]{%
18727   \scr@saved@RTLfootnotetext{#1}%
18728   \csname FN@mfb@prepare\endcsname
18729 }
18730 \renewcommand\deffootnote[4][1]{%
18731   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
18732     \long\def\@makefnmark{#1}{%
18733       \ExecuteDoHook{footnote/text/begin}%
18734       \raggedfootnote
18735       \if@RTL
18736         \rightskip
18737       \else
18738         \leftskip
18739       \fi
18740       #2
18741       \l@addto@macro\@trivlist{%
18742         \ifnum\@listdepth=\@ne\advance
18743           \if@RTL
18744             \rightmargin #2\relax
18745           \else
18746             \leftmargin #2\relax
18747           \fi
18748         \fi
18749       }%
18750       \parindent #3\noindent
18751       \IfArgIsEmpty{#1}{-}{%
18752         \hskip \dimexpr #1-#2\relax
18753       }%
18754       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18755       \ExecuteDoHook{footnote/text/end}%
18756     }%
18757   \else

```



```

18758 \ClassInfo{\KOMAClassName}{%
18759 Using old \string\@makefnmark\space due to compatibility
18760 level\MessageBreak
18761 less than 3.22}%
18762 \long\def\@makefnmark##1{%
18763 \setlength{\@tempdimc}{#3}%
18764 \def\@tempa{#1}\ifx\@tempa\@empty
18765 \setpar{\@par
18766 \@tempdima = \hspace
18767 \addtolength{\@tempdima}{-#2}%
18768 \ifRTL
18769 \parshape \@ne \z@ \@tempdima
18770 \else
18771 \parshape \@ne #2 \@tempdima
18772 \fi
18773 }%
18774 \else
18775 \addtolength{\@tempdimc}{#2}%
18776 \addtolength{\@tempdimc}{-#1}%
18777 \setpar{\@par
18778 \@tempdima = \hspace
18779 \addtolength{\@tempdima}{-#1}%
18780 \@tempdimb = \hspace
18781 \addtolength{\@tempdimb}{-#2}%
18782 \ifRTL
18783 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
18784 \else
18785 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
18786 \fi
18787 }%
18788 \fi
18789 \par
18790 \parindent\@tempdimc\noindent
18791 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18792 }%
18793 \fi
18794 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18795 }
18796 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18797 \renewcommand*\left@footnoterule{%
18798 \normalsize\ftn@rule@test@values
18799 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18800 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18801 {\usekomafont{footnoterule}{%
18802 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18803 \kern 2.6\p@}
18804 \renewcommand*\right@footnoterule{%
18805 \normalsize\ftn@rule@test@values
18806 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18807 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18808 {\usekomafont{footnoterule}{%
18809 \hbox to \columnwidth{\hspace \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
18810 \kern 2.6\p@}
18811 \renewcommand*\maketitle[1][1]{%

```



```

18812 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
18813 \else
18814   \def\and{%
18815     \end{tabular}%
18816     \hskip 1em \@plus.17fil%
18817     \begin{tabular}[t]{c}%
18818   }%
18819 \fi
18820 \if@titlepage
18821   \begin{titlepage}
18822     \setcounter{page}{%
18823       #1%
18824     }%
18825   \if@titlepageiscoverpage
18826     \edef\tITLEPAGE@restore{%
18827       \noexpand\endgroup
18828       \noexpand\global\noexpand\@colht\the\@colht
18829       \noexpand\global\noexpand\@colroom\the\@colroom
18830       \noexpand\global\vsizethe\vsizethe
18831       \noexpand\global\noexpand\@titlepageiscoverpagefalse
18832       \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
18833     }%
18834     \begin{group}
18835       \topmargin=\dimexpr \coverpagetopmargin-1in\relax
18836       \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
18837       \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
18838       \textwidth=\dimexpr
18839       \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
18840       \textheight=\dimexpr
18841       \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
18842       \headheight=0pt
18843       \headsep=0pt
18844       \footskip=\baselineskip
18845       \@colht=\textheight
18846       \@colroom=\textheight
18847       \vsizethe\textheight
18848       \columnwidth=\textwidth
18849       \hsizethe\columnwidth
18850       \linewidth=\hsizethe
18851     \else
18852       \let\tITLEPAGE@restore\relax
18853     \fi
18854     \let\footnotesize\small
18855     \let\right@footnoterule\relax
18856     \let\left@footnoterule\relax
18857     \let\textwidth@footnoterule\relax
18858     \let\footnote\thanks
18859     \let\LTRfootnote\LTRthanks
18860     \let\RTLfootnote\RTLthanks
18861     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18862     \let\@oldmakefnmark\@makefnmark
18863     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
18864     \ifx\@extratitle\@empty
18865       \ifx\@frontispiece\@empty

```




```

18866         \else
18867             \if@twoside\mbox{}\next@tpage\fi
18868             \noindent\@frontispiece\next@tdpage
18869         \fi
18870     \else
18871         \noindent\@extratitle
18872         \ifx\@frontispiece\@empty
18873             \else
18874                 \next@tpage
18875                 \noindent\@frontispiece
18876             \fi
18877             \next@tdpage
18878         \fi
18879         \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
18880         \ifx\@titlehead\@empty \else
18881             \begin{minipage}[t]{\textwidth}%
18882                 \usekomafont{titlehead}{\@titlehead\par}%
18883             \end{minipage}\par
18884         \fi
18885         \null\vfill
18886         \begin{center}
18887             \ifx\@subject\@empty \else
18888                 {\usekomafont{subject}{\@subject\par}}%
18889                 \vskip 3em
18890             \fi
18891             {\usekomafont{title}{\huge \@title\par}}%
18892             \vskip 1em
18893             {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
18894             \vskip 2em
18895             {%
18896                 \usekomafont{author}{%
18897                     \lineskip 0.75em
18898                     \begin{tabular}[t]{c}
18899                         \@author
18900                     \end{tabular}\par
18901                 }%
18902             }%
18903             \vskip 1.5em
18904             {\usekomafont{date}{\@date \par}}%
18905             \vskip \z@ \@plus3fill
18906             {\usekomafont{publishers}{\@publishers \par}}%
18907             \vskip 3em
18908         \end{center}\par
18909         \@thanks\global\let\@thanks\@empty
18910         \vfill\null
18911         \if@twoside
18912             \@tempswatrue
18913             \expandafter\ifnum \@nameuse{scr@v3.12}>\scr@compatibility\relax
18914             \else
18915                 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
18916                     \@tempswafalse
18917                 \fi\fi
18918             \fi
18919             \if@tempswa

```



```

18920         \next@tpage
18921         \begin{minipage}[t]{\textwidth}
18922             \@uppertitleback
18923         \end{minipage}\par
18924         \vfill
18925         \begin{minipage}[b]{\textwidth}
18926             \@lowertitleback
18927         \end{minipage}\par
18928         \@thanks\global\let\@thanks\@empty
18929     \fi
18930 \else
18931     \ifx\@uppertitleback\@empty\else
18932         \ClassWarning{\KOMAClassName}{%
18933             non empty \string\uppertitleback\space ignored
18934             by \string\maketitle\MessageBreak
18935             in `twoside=false' mode%
18936         }%
18937     \fi
18938     \ifx\@lowertitleback\@empty\else
18939         \ClassWarning{\KOMAClassName}{%
18940             non empty \string\lowertitleback\space ignored
18941             by \string\maketitle\MessageBreak
18942             in `twoside=false' mode%
18943         }%
18944     \fi
18945 \fi
18946 \ifx\@dedication\@empty
18947 \else
18948     \next@tdpage\null\vfill
18949     {\centering\usekomafont{dedication}{\@dedication \par}}%
18950     \vskip \z@ \@plus3fill
18951     \@thanks\global\let\@thanks\@empty
18952     \cleardoubleemptypage
18953 \fi
18954 \ifx\tITLEPAGE@restore\relax\else\clearpage\tITLEPAGE@restore\fi
18955 \end{titlepage}
18956 \else
18957     \par
18958     \@tempcnta=%
18959     #1%
18960     \relax\ifnum\@tempcnta=1\else
18961         \ClassWarning{\KOMAClassName}{%
18962             Optional argument of \string\maketitle\space ignored\MessageBreak
18963             in `titlepage=false' mode%
18964         }%
18965     \fi
18966     \ifx\@uppertitleback\@empty\else
18967         \ClassWarning{\KOMAClassName}{%
18968             non empty \string\uppertitleback\space ignored
18969             by \string\maketitle\MessageBreak
18970             in `titlepage=false' mode%
18971         }%
18972     \fi
18973     \ifx\@lowertitleback\@empty\else

```



```

18974 \ClassWarning{\KOMAClassName}{%
18975     non empty \string\lowertitleback\space ignored
18976     by \string\maketitle\MessageBreak
18977     in `titlepage=false' mode%
18978 }%
18979 \fi
18980 \begingroup
18981 \let\titlepage@restore\relax
18982 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18983 \let\@oldmakefnmark\@makefnmark
18984 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
18985 \next@tdpage
18986 \if@twocolumn
18987     \ifnum \col@number=\@one
18988         \ifx\@extratitle\@empty
18989             \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
18990         \else
18991             \@makeextratitle
18992         \fi
18993         \ifx\@frontispiece\@empty
18994             \ifx\@extratitle\@empty\else\next@tdpage\fi
18995         \else
18996             \next@tpage
18997             \@makefrontispiece
18998             \next@tdpage
18999         \fi
19000         \@maketitle
19001     \else
19002         \ifx\@extratitle\@empty
19003             \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19004         \else
19005             \twocolumn[\@makeextratitle]%
19006         \fi
19007         \ifx\@frontispiece\@empty
19008             \ifx\@extratitle\@empty\else\next@tdpage\fi
19009         \else
19010             \next@tpage
19011             \twocolumn[\@makefrontispiece]%
19012             \next@tdpage
19013         \fi
19014         \twocolumn[\@maketitle]%
19015     \fi
19016 \else
19017     \ifx\@extratitle\@empty
19018         \ifx\@frontispiece\@empty\else \mbox{}\fi
19019     \else
19020         \@makeextratitle
19021     \fi
19022     \ifx\@frontispiece\@empty
19023         \ifx\@extratitle\@empty\else\next@tdpage\fi
19024     \else
19025         \next@tpage
19026         \@makefrontispiece
19027         \next@tdpage

```



```

19028         \fi
19029         \@maketitle
19030     \fi
19031     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
19032     \@thanks\global\let\@thanks\@empty
19033 \endgroup
19034 \fi
19035 \setcounter{footnote}{0}%
19036 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
19037     \let\LTRthanks\relax
19038     \let\LTRthanks\relax
19039     \let\RTLthanks\relax
19040     \let\maketitle\relax
19041     \let\@maketitle\relax
19042     \global\let\@thanks\@empty
19043     \global\let\@author\@empty
19044     \global\let\@date\@empty
19045     \global\let\@title\@empty
19046     \global\let\@subtitle\@empty
19047     \global\let\@extratitle\@empty
19048     \global\let\@frontispiece\@empty
19049     \global\let\@titlehead\@empty
19050     \global\let\@subject\@empty
19051     \global\let\@publishers\@empty
19052     \global\let\@uppertitleback\@empty
19053     \global\let\@lowertitleback\@empty
19054     \global\let\@dedication\@empty
19055     \global\let\author\relax
19056     \global\let\title\relax
19057     \global\let\extratitle\relax
19058     \global\let\titlehead\relax
19059     \global\let\subject\relax
19060     \global\let\publishers\relax
19061     \global\let\uppertitleback\relax
19062     \global\let\lowertitleback\relax
19063     \global\let\dedication\relax
19064     \global\let\date\relax
19065 \fi
19066 \global\let\and\relax
19067 }%
19068 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
19069 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
19070 \renewcommand*\thesection{%
19071     \expandafter\ifnum\scr@v@is@gt{2.97d}%
19072         \if@mainmatter\thechapter\@SepMark\fi
19073     \else
19074         \thechapter\@SepMark%
19075     \fi
19076     \@arabic\c@section
19077 }
19078 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
19079 \renewcommand*{\thesubsubsection}{%
19080     \thesubsection\@SepMark\@arabic\c@subsubsection
19081 }

```



```

19082 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
19083 \renewcommand*{\thesubparagraph}{\%
19084 \theparagraph\@SepMark\@arabic\c@subparagraph
19085 }
19086 \expandafter\ifnum\scr@v@is@le{2.97d}%
19087 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
19088 \fi
19089 \expandafter\ifnum\scr@v@is@le{2.97d}%
19090 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
19091 \fi
19092 \renewcommand*{\theequation}{\%
19093 \expandafter\ifnum\scr@v@is@gt{2.97d}%
19094 \if@mainmatter\thechapter\@SepMark\fi
19095 \else
19096 \thechapter\@SepMark%
19097 \fi
19098 \@arabic\c@equation
19099 }
19100 \renewenvironment{thebibliography}[1]{\%
19101 \if@bib@break@
19102 \bib@beginhook
19103 \else
19104 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
19105 \setchapterpreamble{\bibpreamble}%
19106 \fi\fi
19107 \bib@heading
19108 \bib@beginhook
19109 \bib@before@hook
19110 \fi
19111 \renewcommand{\BreakBibliography}[1]{\%
19112 \@bib@break
19113 \end{thebibliography}%
19114 \begingroup ##1\endgroup
19115 \begin{thebibliography}{#1}
19116 }%
19117 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19118 \bidi@thebibliography@font@hook%
19119 \list{\%
19120 \@biblabel{\@arabic\c@enumiv}%
19121 }{\%
19122 \settowidth\labelwidth{\@biblabel{#1}}%
19123 \leftmargin\labelwidth
19124 \advance\leftmargin\labelsep
19125 \@openbib@code
19126 \if@bib@break@
19127 \edef\@tempa{\%
19128 \noexpand\usecounter{enumiv}%
19129 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
19130 }\@tempa
19131 \no@bib@break
19132 \else
19133 \usecounter{enumiv}%
19134 \fi
19135 \let\p@enumiv\@empty

```



```

19136 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
19137 }%
19138 \sloppy\clubpenalty4000 \widowpenalty4000
19139 \sfcode`\.\=\@m
19140 }{%
19141 \if@bib@break@
19142 \def\@noitemerr{%
19143 \latex@warning{%
19144 \string\BreakBibliography\space at begin of `thebibliography'
19145 environment\MessageBreak
19146 or following \string\BreakBibliography}%
19147 }%
19148 \else
19149 \def\@noitemerr{%
19150 \latex@warning{%
19151 Empty `thebibliography' environment or
19152 \string\BreakBibliography\MessageBreak
19153 before end of `thebibliography' environment}%
19154 }%
19155 \fi
19156 \endlist
19157 \if@bib@break@
19158 \else
19159 \bib@after@hook
19160 \let\bib@before@hook\@empty
19161 \let\bib@after@hook\@empty
19162 \fi
19163 \bib@endhook
19164 }
19165 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
19166 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
19167 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
19168 \renewcommand\marginline[1]{%
19169 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
19170 }
19171 \renewcommand{\@makecaption}[3]{%
19172 \cap@margin
19173 \begingroup
19174 \ifonelinecaptions
19175 \def\stepcounter##1{\advance\value{##1}\@ne}%
19176 \let\refstepcounter\stepcounter
19177 \let\label\@gobble
19178 \let\@footnotetext=\@gobble
19179 \let\@LTRfootnotetext=\@gobble
19180 \let\@RTLfootnotetext=\@gobble
19181 \let\hypertarget\@gobbletwo
19182 \edef\@xnewline{%
19183 \unexpanded{\ClassInfo{\KOMAClassName}}{%
19184 Workaround for not recommended usage of \string\\ or\MessageBreak
19185 \string\newline in caption text
19186 }%
19187 \hspace*{\linewidth}\hspace{1sp}%
19188 }%
19189 \unexpanded\expandafter{\@xnewline}%

```



```

19190 }%
19191 \edef\xcentercr{%
19192   \unexpanded{\ClassInfo{\KOMAClassName}{%
19193     Workaround for not recommended usage of \string\\ or\MessageBreak
19194     \string\newline in caption text
19195   }}%
19196   \hspace*{\linewidth}\hspace{1sp}%
19197 }%
19198 \unexpanded\expandafter{\xcentercr}%
19199 }%
19200 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
19201 \ifdim\@tempdima>\cap@width
19202   \aftergroup\scr@makemultilinecaption
19203 \else
19204   \aftergroup\scr@makesinglelinecaption
19205 \fi
19206 \else
19207   \aftergroup\scr@makemultilinecaption
19208 \fi
19209 \endgroup
19210 {#1}{#2}{#3}%
19211 }
19212 \renewcommand{\scr@makesinglelinecaption}[3]{%
19213   {%
19214     \usefontofkomafont{caption}{%
19215       \hb@xt@{\hsize{%
19216         \cap@left
19217         \if@RTL
19218           \beginR
19219           \fi
19220         \scr@makesinglelinecaption{#1}{#2}{#3}%
19221         \if@RTL
19222           \endR
19223         \fi
19224         \cap@right
19225       }}\par\kern\dp\strutbox%
19226     }%
19227   }\kern-\dp\strutbox
19228 }
19229 \renewcommand{\@makecaption}[2]{%
19230   \if@captionabove
19231     \vskip\belowcaptionskip
19232   \else
19233     \vskip\abovecaptionskip
19234   \fi
19235   \@makecaption\@firstofone{#1}{#2}%
19236   \if@captionabove
19237     \vskip\abovecaptionskip
19238   \else
19239     \vskip\belowcaptionskip
19240   \fi
19241 }
19242
19243 \renewcommand{\scr@makesinglelinecaption}[3]{%

```



```

19244 {\\usekomafont{caption}{\\strut\\ignorespaces
19245 #1{\\usekomafont{captionlabel}{#2\\captionformat}}}%
19246 \\ignorespaces #3\\unskip}}%
19247 }
19248
19249 \\renewcommand{\\scr@makemultilinecaption}[3]{%
19250 {%
19251 \\usefontofkomafont{caption}{%
19252 \\hb@xt@\\hsize{%
19253 \\cap@left
19254 \\vbox{\\hsize\\cap@width\\linewidth\\hsize
19255 \\scr@ifundefinedorrelax{@captype}{%
19256 \\ClassWarning{\\KOMAClassName}{%
19257 `\\string\\caption' outside float.\\MessageBreak
19258 Seems you are using `\\string\\caption' outside a
19259 float.\\MessageBreak
19260 Maybe you are using a package that uses
19261 `\\string\\@makecaption'\\MessageBreak
19262 without setting `\\string\\@captype' before.\\MessageBreak
19263 Because I cannot detect the caption type, I'm using\\MessageBreak
19264 the empty one.%
19265 }%
19266 \\let\\@captype\\@empty
19267 }{}%
19268 \\scr@ifundefinedorrelax{ragged\\@captype caption}{\\raggedcaption}{%
19269 \\@nameuse{ragged\\@captype caption}%
19270 }%
19271 \\ifdofullc@p
19272 \\@hangfrom{%
19273 \\strut
19274 \\scr@smashdp{%
19275 #1{%
19276 \\usekomafont{caption}{%
19277 \\usekomafont{captionlabel}{#2\\captionformat}}%
19278 }%
19279 }%
19280 }%
19281 }%
19282 {\\usekomafont{caption}{#3\\scr@endstrut}}\\par}%
19283 \\else
19284 \\ifdim\\cap@indent<\\z@
19285 \\strut
19286 #1{%
19287 {\\usekomafont{caption}{%
19288 \\usekomafont{captionlabel}{#2\\captionformat}}%
19289 }%
19290 }\\par}%
19291 \\noindent{\\usekomafont{caption}{%
19292 \\hspace*{\\cap@indent}#3\\scr@endstrut
19293 }\\par}%
19294 \\else
19295 \\if@capbreak
19296 \\strut
19297 #1{%

```




```

19298         {\usekomafont{caption}{%
19299           \usekomafont{captionlabel}{#2\captionformat}%
19300         }
19301       }\par}%
19302       \noindent\@hangfrom{\hspace*{\cap@indent}}%
19303       {\{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19304     \else
19305       \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
19306       {%
19307         \hspace{-\cap@indent}%
19308         \scr@smashdp{%
19309           #1{\usekomafont{caption}{%
19310             \usekomafont{captionlabel}{#2\captionformat}%
19311           }}%
19312         }%
19313       }%
19314       {\{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19315     }%
19316   \fi
19317 \fi
19318 \fi
19319 }%
19320 \cap@right
19321 }\par\kern\dp\strutbox
19322 }%
19323 }\kern-\dp\strutbox
19324 }
19325
19326
19327 \bidi@AfterFile{longtable-xetex-bidi.def}{%
19328   \if@komalongtable
19329     \renewcommand{\LT@makecaption}[3]{%
19330       \noalign{%
19331         \if@captionabove
19332           \vskip\belowcaptionskip
19333         \else
19334           \vskip\abovecaptionskip
19335         \fi
19336       }%
19337       \LT@mc\LT@cols c{%
19338         \hbox to\z@{\hss\parbox[t]{\linewidth}{%
19339           \def\@capytype{table}%
19340           \@makecaption{#1}{#2}{#3}%
19341           \endgraf
19342           \if@captionabove
19343             \vskip\abovecaptionskip
19344           \else
19345             \vskip\belowcaptionskip
19346           \fi
19347         }}%
19348       \hss
19349     }%
19350   }%
19351 }%

```



```

19352 \renewcommand*{\scr@LT@array}{}%
19353 \let\scr@LT@array=\LT@array
19354 \renewcommand*{\LT@array}{%
19355 \let\scr@caption=\LT@caption
19356 \def\captionabove{\noalign{\global\@captionabovetrue}%
19357 \scr@caption}%
19358 \def\captionbelow{\noalign{\global\@captionabovefalse}%
19359 \scr@caption}%
19360 \if@tablecaptionabove
19361 \let\LT@caption=\captionabove
19362 \else
19363 \let\LT@caption=\captionbelow
19364 \fi
19365 \scr@LT@array
19366 }%
19367 \ClassInfo{\KOMAClassName}{%
19368 longtable captions redefined%
19369 }%
19370 \fi
19371 }
19372
19373 \CloneTOCEntryStyle{tocline}{part}
19374 \TOCEntryStyleStartInitCode{part}{%
19375 \expandafter\renewcommand%
19376 \csname scr@tso@#1@linefill\endcsname{\hfill}%
19377 \expandafter\renewcommand%
19378 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
19379 \expandafter\renewcommand%
19380 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19381 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
19382 \expandafter\renewcommand\expandafter*%
19383 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p0}%
19384 }
19385
19386 \CloneTOCEntryStyle{tocline}{chapter}
19387 \TOCEntryStyleStartInitCode{chapter}{%
19388 \expandafter\renewcommand%
19389 \csname scr@tso@#1@linefill\endcsname{%
19390 \if@chapterentrywithdots
19391 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
19392 \else
19393 \hfill
19394 \fi
19395 }%
19396 \expandafter\renewcommand%
19397 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
19398 \expandafter\renewcommand%
19399 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19400 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
19401 \expandafter\renewcommand\expandafter*%
19402 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p0}%
19403 }
19404
19405 \CloneTOCEntryStyle{tocline}{section}

```



```

19406 \TOCEntryStyleStartInitCode{section}{%
19407   \expandafter\renewcommand%
19408   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19409   \expandafter\renewcommand%
19410   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19411     {\normalfont\normalcolor #1}}%
19412 }
19413
19414 \CloneTOCEntryStyle{section}{default}
19415
19416 \DeclareSectionCommand[%
19417   style=chapter,%
19418   level=\z@,%
19419   pagestyle=plain,%
19420   tocstyle=chapter,%
19421   tocindent=\z@,%
19422   tocnumwidth=1.5em%
19423 ]{chapter}
19424 \DeclareSectionCommand[%
19425   style=section,%
19426   level=1,%
19427   indent=\z@,%
19428   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
19429   afterskip=2.3ex \@plus .2ex,%
19430   tocstyle=section,%
19431   tocindentfollows=chapter,%
19432   tocindent=1.5em,%
19433   tocnumwidth=2.3em%
19434 ]{section}
19435 \DeclareSectionCommand[%
19436   style=part,%
19437   level=\m@ne,%
19438   pagestyle=plain,%
19439   tocstyle=part,%
19440   toplevel=\m@ne,%
19441   tocindent=\z@,%
19442   tocnumwidth=2em%
19443 ]{part}
19444 \DeclareSectionCommand[%
19445   style=section,%
19446   level=2,%
19447   indent=\z@,%
19448   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
19449   afterskip=1.5ex \@plus .2ex,%
19450   tocstyle=section,%
19451   tocindent=3.8em,%
19452   tocnumwidth=3.2em%
19453 ]{subsection}
19454 \DeclareSectionCommand[%
19455   style=section,%
19456   level=3,%
19457   indent=\z@,%
19458   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
19459   afterskip=1.5ex \@plus .2ex,%

```



```

19460   tocstyle=section,%
19461   tocindent=7.0em,%
19462   tocnumwidth=4.1em%
19463 }{subsubsection}
19464 \DeclareSectionCommand[%
19465   style=section,%
19466   level=4,%
19467   indent=\z@,%
19468   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19469   afterskip=-1em,%
19470   tocindentfollows=subsubsection,%
19471   tocstyle=section,%
19472   tocindent=10em,%
19473   tocnumwidth=5em%
19474 ]{paragraph}
19475 \DeclareSectionCommand[%
19476   style=section,%
19477   level=5,%
19478   indent=\scr@parindent,%
19479   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19480   afterskip=-1em,%
19481   tocstyle=section,%
19482   tocindent=12em,%
19483   tocnumwidth=6em%
19484 ]{subparagraph}

```

122 File `scrreprt-xetex-bidi.def`

```

19485 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
19486 \newcommand{\scr@saved@LTRfootnotetext}{}
19487 \newcommand{\scr@saved@RTLfootnotetext}{}
19488 \let\scr@saved@footnotetext\@footnotetext
19489 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
19490 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
19491 \renewcommand{\@footnotetext}[1]{%
19492   \scr@saved@footnotetext{#1}%
19493   \csname FN@mf@prepare\endcsname
19494 }
19495 \renewcommand{\@LTRfootnotetext}[1]{%
19496   \scr@saved@LTRfootnotetext{#1}%
19497   \csname FN@mf@prepare\endcsname
19498 }
19499 \renewcommand{\@RTLfootnotetext}[1]{%
19500   \scr@saved@RTLfootnotetext{#1}%
19501   \csname FN@mf@prepare\endcsname
19502 }
19503 \renewcommand\deffootnote[4][]{%
19504   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
19505     \long\def\@makefntext##1{%
19506       \ExecuteDoHook{footnote/text/begin}%
19507       \raggedfootnote
19508       \if@RTL
19509         \rightskip
19510       \else

```



```

19511         \leftskip
19512     \fi
19513     #2
19514     \l@addto@macro\@trivlist{%
19515         \ifnum\@listdepth=\@ne
19516             \if@RTL
19517                 \advance\rightmargin #2\relax
19518             \else
19519                 \advance\leftmargin #2\relax
19520             \fi
19521         \fi
19522     }%
19523     \parindent #3\noindent
19524     \IfArgIsEmpty{#1}{-}{%
19525         \hskip \dimexpr #1-#2\relax
19526     }%
19527     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19528     \ExecuteDoHook{footnote/text/end}%
19529 }%
19530 \else
19531     \ClassInfo{\KOMAClassName}{%
19532         Using old \string\@makefnmark\space due to compatibility
19533         level\MessageBreak
19534         less than 3.22}%
19535     \long\def\@makefnmark##1{%
19536         \setlength{\@tempdimc}{#3}%
19537         \def\@tempa{#1}\ifx\@tempa\@empty
19538             \@setpar{\@@par
19539                 \@tempdima = \hsize
19540                 \addtolength{\@tempdima}{-#2}%
19541                 \if@RTL
19542                     \parshape \@ne \z@ \@tempdima
19543                 \else
19544                     \parshape \@ne #2 \@tempdima
19545                 \fi
19546             }%
19547         \else
19548             \addtolength{\@tempdimc}{#2}%
19549             \addtolength{\@tempdimc}{-#1}%
19550             \@setpar{\@@par
19551                 \@tempdima = \hsize
19552                 \addtolength{\@tempdima}{-#1}%
19553                 \@tempdimb = \hsize
19554                 \addtolength{\@tempdimb}{-#2}%
19555                 \if@RTL
19556                     \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
19557                 \else
19558                     \parshape \tw@ #1 \@tempdima #2 \@tempdimb
19559                 \fi
19560             }%
19561         \fi
19562     \par
19563     \parindent\@tempdimc\noindent
19564     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%

```



```

19565     }%
19566 \fi
19567 \def\@@makefnmark{\hbox{\ftnm@font{#4}}}%
19568 }
19569 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
19570 \renewcommand*\left@footnoterule{%
19571   \normalsize\ftn@rule@test@values
19572   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19573   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19574   {\usekomafont{footnoterule}{%
19575     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}}%
19576   \kern 2.6\p@}
19577 \renewcommand*\right@footnoterule{%
19578   \normalsize\ftn@rule@test@values
19579   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19580   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19581   {\usekomafont{footnoterule}{%
19582     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
19583     \kern 2.6\p@}
19584 \renewcommand*\maketitle[1][1]{%
19585   \expandafter\ifnum \cename scr@v@3.12\endcsname>\scr@compatibility\relax
19586   \else
19587     \def\and{%
19588       \end{tabular}%
19589       \hskip 1em \@plus.17fil%
19590       \begin{tabular}[t]{c}%
19591     }%
19592 \fi
19593 \if@titlepage
19594   \begin{titlepage}
19595     \setcounter{page}{%
19596       #1%
19597     }%
19598   \if@titlepageiscoverpage
19599     \edef\titlename@restore{%
19600       \noexpand\endgroup
19601       \noexpand\global\noexpand\@colht\the\@colht
19602       \noexpand\global\noexpand\@colroom\the\@colroom
19603       \noexpand\global\vsizethe\vsizethe
19604       \noexpand\global\noexpand\@titlepageiscoverpagefalse
19605       \noexpand\let\noexpand\titlename@restore\noexpand\relax
19606     }%
19607     \begin{group}
19608       \topmargin=\dimexpr \coverpagetopmargin-1in\relax
19609       \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
19610       \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
19611       \textwidth=\dimexpr
19612       \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
19613       \textheight=\dimexpr
19614       \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
19615       \headheight=0pt
19616       \headsep=0pt
19617       \footskip=\baselineskip
19618       \@colht=\textheight

```



```

19619      \@colroom=\textheight
19620      \vsize=\textheight
19621      \columnwidth=\textwidth
19622      \hsize=\columnwidth
19623      \linewidth=\hsize
19624      \else
19625        \let\titlepage@restore\relax
19626      \fi
19627      \let\footnotesize\small
19628      \let\right@footnoterule\relax
19629      \let\left@footnoterule\relax
19630      \let\textwidth@footnoterule\relax
19631      \let\footnote\thanks
19632      \let\LTRfootnote\LTRthanks
19633      \let\RTLfootnote\RTLthanks
19634      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19635      \let\@oldmakefnmark\@makefnmark
19636      \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
19637      \ifx\@extratitle\@empty
19638        \ifx\@frontispiece\@empty
19639          \else
19640            \if@twoside\mbox{}\next@tpage\fi
19641            \noindent\@frontispiece\next@tdpage
19642          \fi
19643        \else
19644          \noindent\@extratitle
19645          \ifx\@frontispiece\@empty
19646            \else
19647              \next@tpage
19648              \noindent\@frontispiece
19649            \fi
19650            \next@tdpage
19651          \fi
19652          \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
19653          \ifx\@titlehead\@empty \else
19654            \begin{minipage}[t]{\textwidth}%
19655              \usekomafont{titlehead}{\@titlehead\par}%
19656            \end{minipage}\par
19657          \fi
19658          \null\vfill
19659          \begin{center}
19660            \ifx\@subject\@empty \else
19661              {\usekomafont{subject}{\@subject\par}}%
19662              \vskip 3em
19663            \fi
19664            {\usekomafont{title}{\huge \@title\par}}%
19665            \vskip 1em
19666            {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
19667            \vskip 2em
19668            {%
19669              \usekomafont{author}{%
19670                \lineskip 0.75em
19671                \begin{tabular}[t]{c}
19672                  \@author

```



```

19673         \end{tabular}\par
19674     }%
19675 }%
19676 \vskip 1.5em
19677 {\usekomafont{date}{\@date \par}}%
19678 \vskip \z@ \@plus3fill
19679 {\usekomafont{publishers}{\@publishers \par}}%
19680 \vskip 3em
19681 \end{center}\par
19682 \@thanks\global\let\@thanks\@empty
19683 \vfill\null
19684 \if@twoside
19685     \@tempswatrue
19686     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
19687     \else
19688         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
19689             \@tempswafalse
19690         \fi\fi
19691     \fi
19692     \if@tempswa
19693         \next@tpage
19694         \begin{minipage}[t]{\textwidth}
19695             \@uppertitleback
19696         \end{minipage}\par
19697         \vfill
19698         \begin{minipage}[b]{\textwidth}
19699             \@lowertitleback
19700         \end{minipage}\par
19701         \@thanks\global\let\@thanks\@empty
19702     \fi
19703 \else
19704     \ifx\@uppertitleback\@empty\else
19705         \ClassWarning{\KOMAClassName}{%
19706             non empty \string\uppertitleback\space ignored
19707             by \string\maketitle\MessageBreak
19708             in `twoside=false' mode%
19709         }%
19710     \fi
19711     \ifx\@lowertitleback\@empty\else
19712         \ClassWarning{\KOMAClassName}{%
19713             non empty \string\lowertitleback\space ignored
19714             by \string\maketitle\MessageBreak
19715             in `twoside=false' mode%
19716         }%
19717     \fi
19718 \fi
19719 \ifx\@dedication\@empty
19720 \else
19721     \next@tdpage\null\vfill
19722     {\centering\usekomafont{dedication}{\@dedication \par}}%
19723     \vskip \z@ \@plus3fill
19724     \@thanks\global\let\@thanks\@empty
19725     \cleardoubleemptypage
19726 \fi

```




```

19727     \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
19728     \end{titlepage}
19729   \else
19730     \par
19731     \@tempcnta=%
19732     #1%
19733     \relax\ifnum\@tempcnta=1\else
19734       \ClassWarning{\KOMAClassName}{%
19735         Optional argument of \string\maketitle\space ignored\MessageBreak
19736         in `titlepage=false' mode%
19737       }%
19738     \fi
19739     \ifx\@uppertitleback\@empty\else
19740       \ClassWarning{\KOMAClassName}{%
19741         non empty \string\uppertitleback\space ignored
19742         by \string\maketitle\MessageBreak
19743         in `titlepage=false' mode%
19744       }%
19745     \fi
19746     \ifx\@lowertitleback\@empty\else
19747       \ClassWarning{\KOMAClassName}{%
19748         non empty \string\lowertitleback\space ignored
19749         by \string\maketitle\MessageBreak
19750         in `titlepage=false' mode%
19751       }%
19752     \fi
19753     \begingroup
19754       \let\titlepage@restore\relax
19755       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19756       \let\@oldmakefnmark\@makefnmark
19757       \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
19758       \next@tdpage
19759       \if@twocolumn
19760         \ifnum \col@number=\@one
19761           \ifx\@extratitle\@empty
19762             \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19763           \else
19764             \@makeextratitle
19765           \fi
19766           \ifx\@frontispiece\@empty
19767             \ifx\@extratitle\@empty\else\next@tdpage\fi
19768           \else
19769             \next@tpage
19770             \@makefrontispiece
19771             \next@tdpage
19772           \fi
19773           \@maketitle
19774         \else
19775           \ifx\@extratitle\@empty
19776             \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19777           \else
19778             \twocolumn[\@makeextratitle]%
19779           \fi
19780           \ifx\@frontispiece\@empty

```



```

19781         \ifx\@extratitle\@empty\else\next@tdpage\fi
19782     \else
19783         \next@tpage
19784         \twocolumn[\@makefrontispiece]%
19785         \next@tdpage
19786     \fi
19787     \twocolumn[\@maketitle]%
19788 \fi
19789 \else
19790     \ifx\@extratitle\@empty
19791         \ifx\@frontispiece\@empty\else \mbox{}\fi
19792     \else
19793         \@makeextratitle
19794     \fi
19795     \ifx\@frontispiece\@empty
19796         \ifx\@extratitle\@empty\else\next@tdpage\fi
19797     \else
19798         \next@tpage
19799         \@makefrontispiece
19800         \next@tdpage
19801     \fi
19802     \@maketitle
19803 \fi
19804     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
19805     \@thanks\global\let\@thanks\@empty
19806 \endgroup
19807 \fi
19808 \setcounter{footnote}{0}%
19809 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
19810     \let\thanks\relax
19811     \let\LTRthanks\relax
19812     \let\RTLthanks\relax
19813     \let\maketitle\relax
19814     \let\@maketitle\relax
19815     \global\let\@thanks\@empty
19816     \global\let\@author\@empty
19817     \global\let\@date\@empty
19818     \global\let\@title\@empty
19819     \global\let\@subtitle\@empty
19820     \global\let\@extratitle\@empty
19821     \global\let\@frontispiece\@empty
19822     \global\let\@titlehead\@empty
19823     \global\let\@subject\@empty
19824     \global\let\@publishers\@empty
19825     \global\let\@uppertitleback\@empty
19826     \global\let\@lowertitleback\@empty
19827     \global\let\@dedication\@empty
19828     \global\let\author\relax
19829     \global\let\title\relax
19830     \global\let\extratitle\relax
19831     \global\let\titlehead\relax
19832     \global\let\subject\relax
19833     \global\let\publishers\relax
19834     \global\let\uppertitleback\relax

```



```

19835 \global\let\lowertitleback\relax
19836 \global\let\dedication\relax
19837 \global\let\date\relax
19838 \fi
19839 \global\let\and\relax
19840 }%
19841 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
19842 \renewcommand*\autodot{\if@altsecnumformat@SepMark\fi}
19843 \renewcommand*\thesection{%
19844 \thechapter@SepMark%
19845 \@arabic@c@section
19846 }
19847 \renewcommand*\thesubsection{\thesection@SepMark@arabic@c@subsection}
19848 \renewcommand*\thesubsubsection{%
19849 \thesubsection@SepMark@arabic@c@subsubsection
19850 }
19851 \renewcommand*\theparagraph{\thesubsubsection@SepMark@arabic@c@paragraph}
19852 \renewcommand*\thesubparagraph{%
19853 \theparagraph@SepMark@arabic@c@subparagraph
19854 }
19855 \expandafter\ifnum\scr@v@is@le{2.97d}%
19856 \renewcommand*\thefigure{\thechapter@SepMark@arabic@c@figure}
19857 \fi
19858 \expandafter\ifnum\scr@v@is@le{2.97d}%
19859 \renewcommand*\thetable{\thechapter@SepMark@arabic@c@table}
19860 \fi
19861 \renewcommand*\theequation{%
19862 \thechapter@SepMark%
19863 \@arabic@c@equation
19864 }
19865 \renewenvironment{thebibliography}[1]{%
19866 \if@bib@break@
19867 \bib@beginhook
19868 \else
19869 \ifx\bibpreamble\relax\else\ifx\bibpreamble@empty\else
19870 \setchapterpreamble{\bibpreamble}%
19871 \fi\fi
19872 \bib@heading
19873 \bib@beginhook
19874 \bib@before@hook
19875 \fi
19876 \renewcommand{\BreakBibliography}[1]{%
19877 \@bib@break
19878 \end{thebibliography}%
19879 \begingroup ##1\endgroup
19880 \begin{thebibliography}{#1}
19881 }%
19882 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
19883 \bidi@thebibliography@font@hook%
19884 \list{%
19885 \@biblabel{\@arabic@c@enumiv}%
19886 }{%
19887 \settowidth\labelwidth{\@biblabel{#1}}%
19888 \leftmargin\labelwidth

```



```

19889 \advance\leftmargin\labelsep
19890 \@openbib@code
19891 \if@bib@break@
19892 \edef\@tempa{%
19893 \noexpand\usecounter{enumiv}}%
19894 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
19895 }\@tempa
19896 \no@bib@break
19897 \else
19898 \usecounter{enumiv}%
19899 \fi
19900 \let\p@enumiv\@empty
19901 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
19902 }%
19903 \sloppy\clubpenalty4000 \widowpenalty4000
19904 \sfcode`\.\@m
19905 }{%
19906 \if@bib@break@
19907 \def\@noitemerr{%
19908 \@latex@warning{%
19909 \string\BreakBibliography\space at begin of `thebibliography'
19910 environment\MessageBreak
19911 or following \string\BreakBibliography}%
19912 }%
19913 \else
19914 \def\@noitemerr{%
19915 \@latex@warning{%
19916 Empty `thebibliography' environment or
19917 \string\BreakBibliography\MessageBreak
19918 before end of `thebibliography' environment}%
19919 }%
19920 \fi
19921 \endlist
19922 \if@bib@break@
19923 \else
19924 \bib@after@hook
19925 \let\bib@before@hook\@empty
19926 \let\bib@after@hook\@empty
19927 \fi
19928 \bib@endhook
19929 }
19930 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
19931 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
19932 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
19933 \renewcommand\marginline[1]{%
19934 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
19935 }
19936 \renewcommand{\@makecaption}[3]{%
19937 \cap@margin
19938 \begingroup
19939 \ifonelinecaptions
19940 \def\stepcounter##1{\advance\value{##1}\@ne}%
19941 \let\refstepcounter\stepcounter
19942 \let\label@gobble

```



```

19943 \let\@footnotetext=\@gobble
19944 \let\@LTRfootnotetext=\@gobble
19945 \let\@RTLfootnotetext=\@gobble
19946 \let\hypertarget\@gobbletwo
19947 \edef\@xnewline{%
19948   \unexpanded{\ClassInfo{\KOMAClassName}{%
19949     Workaround for not recommended usage of \string\\ or\MessageBreak
19950     \string\newline in caption text
19951   }}%
19952   \hspace*{\linewidth}\hspace{1sp}%
19953 }%
19954 \unexpanded\expandafter{\@xnewline}%
19955 }%
19956 \edef\@xcentercr{%
19957   \unexpanded{\ClassInfo{\KOMAClassName}{%
19958     Workaround for not recommended usage of \string\\ or\MessageBreak
19959     \string\newline in caption text
19960   }}%
19961   \hspace*{\linewidth}\hspace{1sp}%
19962 }%
19963 \unexpanded\expandafter{\@xcentercr}%
19964 }%
19965 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
19966 \ifdim\@tempdima>\cap@width
19967   \aftergroup\scr@makemultilinecaption
19968 \else
19969   \aftergroup\scr@makesinglelinecaption
19970 \fi
19971 \else
19972   \aftergroup\scr@makemultilinecaption
19973 \fi
19974 \endgroup
19975 {#1}{#2}{#3}%
19976 }
19977 \renewcommand{\scr@makesinglelinecaption}[3]{%
19978   {%
19979     \usefontofkomafont{caption}{%
19980       \hb@xt@{\hsize{%
19981         \cap@left
19982         \if@RTL
19983           \beginR
19984           \fi
19985         \scr@makesinglelinecaption{#1}{#2}{#3}%
19986         \if@RTL
19987           \endR
19988         \fi
19989         \cap@right
19990       }}\par\kern\dp\strutbox%
19991     }%
19992   }\kern-\dp\strutbox
19993 }
19994 \renewcommand{\@makecaption}[2]{%
19995   \if@captionabove
19996     \vskip\belowcaptionskip

```



```

19997 \else
19998 \vskip\abovecaptionskip
19999 \fi
20000 \@makecaption\@firstofone{#1}{#2}%
20001 \if@captionabove
20002 \vskip\abovecaptionskip
20003 \else
20004 \vskip\belowcaptionskip
20005 \fi
20006 }
20007
20008 \renewcommand{\scr@makesinglelinecaption}[3]{%
20009 {\usekomafont{caption}{\strut\ignorespaces
20010 #1{\usekomafont{captionlabel}{#2\captionformat}}}%
20011 \ignorespaces #3\unskip}}%
20012 }
20013
20014 \renewcommand{\scr@makemultilinecaption}[3]{%
20015 {%
20016 \usefontofkomafont{caption}{%
20017 \hb@xt@{hsize}{%
20018 \cap@left
20019 \vbox{hsize\cap@width\linewidth\hsize
20020 \scr@ifundefinedorrelax{@captype}{%
20021 \ClassWarning{\KOMAClassName}{%
20022 '\string\caption' outside float.\MessageBreak
20023 Seems you are using '\string\caption' outside a
20024 float.\MessageBreak
20025 Maybe you are using a package that uses
20026 '\string\@makecaption'\MessageBreak
20027 without setting '\string\@captype' before.\MessageBreak
20028 Because I cannot detect the caption type, I'm using\MessageBreak
20029 the empty one.%
20030 }%
20031 \let\@captype\@empty
20032 }{}%
20033 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
20034 \@nameuse{ragged\@captype caption}%
20035 }%
20036 \ifdofullc@p
20037 \hangfrom{%
20038 \strut
20039 \scr@smashdp{%
20040 #1{%
20041 \usekomafont{caption}{%
20042 \usekomafont{captionlabel}{#2\captionformat}%
20043 }%
20044 }%
20045 }%
20046 }%
20047 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20048 \else
20049 \ifdim\cap@indent<\z@
20050 \strut

```



```

20051         #1{%
20052             {\usekomafont{caption}}{%
20053                 \usekomafont{captionlabel}{#2\captionformat}%
20054             }%
20055         }\par}%
20056         \noindent{{\usekomafont{caption}}{%
20057             \hspace*{-\cap@indent}#3\scr@endstrut
20058         }}\par}%
20059     \else
20060         \if@capbreak
20061             \strut
20062             #1{%
20063                 {\usekomafont{caption}}{%
20064                     \usekomafont{captionlabel}{#2\captionformat}%
20065                 }%
20066             }\par}%
20067             \noindent\@hangfrom{\hspace*{\cap@indent}}%
20068             {{\usekomafont{caption}}{#3\scr@endstrut}}\par}%
20069         \else
20070             \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
20071             {%
20072                 \hspace*{-\cap@indent}%
20073                 \scr@smashdp{%
20074                     #1{\usekomafont{caption}}{%
20075                         \usekomafont{captionlabel}{#2\captionformat}%
20076                     }%
20077                 }%
20078             }%
20079             {{\usekomafont{caption}}{#3\scr@endstrut}}\par}%
20080         }%
20081     \fi
20082 \fi
20083 \fi
20084 }%
20085 \cap@right
20086 }\par\kern\dp\strutbox
20087 }%
20088 }\kern-\dp\strutbox
20089 }
20090
20091
20092 \bidi@AfterFile{longtable-xetex-bidi.def}{%
20093     \if@komalongtable
20094         \renewcommand{\LT@makecaption}[3]{%
20095             \noalign{%
20096                 \if@captionabove
20097                     \vskip\belowcaptionskip
20098                 \else
20099                     \vskip\abovecaptionskip
20100                 \fi
20101             }%
20102             \LT@mcol\LT@cols c{%
20103                 \hbox to\z@{\hss\parbox[t]{\linewidth}{%
20104                     \def\@captive{table}%

```



```

20105         \@@makecaption{#1}{#2}{#3}%
20106         \endgraf
20107         \if@captionabove
20108             \vskip\abovecaptionskip
20109         \else
20110             \vskip\belowcaptionskip
20111         \fi
20112     }%
20113     \hss
20114 }%
20115 }%
20116 }%
20117 \renewcommand*{\scr@LT@array}{}%
20118 \let\scr@LT@array=\LT@array
20119 \renewcommand*{\LT@array}{%
20120     \let\scr@caption=\LT@caption
20121     \def\captionabove{\noalign{\global\@captionabovetrue}%
20122         \scr@caption}%
20123     \def\captionbelow{\noalign{\global\@captionabovetrue}%
20124         \scr@caption}%
20125     \if@tablecaptionabove
20126         \let\LT@caption=\captionabove
20127     \else
20128         \let\LT@caption=\captionbelow
20129     \fi
20130     \scr@LT@array
20131 }%
20132 \ClassInfo{\KOMAClassName}{%
20133     longtable captions redefined%
20134 }%
20135 \fi
20136 }
20137
20138 \CloneTOCEntryStyle{tocline}{part}
20139 \TOCEntryStyleStartInitCode{part}{%
20140     \expandafter\renewcommand%
20141     \csname scr@tso@#1@linefill\endcsname{\hfill}%
20142     \expandafter\renewcommand%
20143     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
20144     \expandafter\renewcommand%
20145     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20146         {\usekomafont{partentry}{\usekomafont{partentry}pagenumber}{##1}}}%
20147     \expandafter\renewcommand\expandafter*%
20148     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
20149 }
20150
20151 \CloneTOCEntryStyle{tocline}{chapter}
20152 \TOCEntryStyleStartInitCode{chapter}{%
20153     \expandafter\renewcommand%
20154     \csname scr@tso@#1@linefill\endcsname{%
20155         \if@chapterentrywithdots
20156             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
20157         \else
20158             \hfill

```




```

20159 \fi
20160 }%
20161 \expandafter\renewcommand%
20162 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
20163 \expandafter\renewcommand%
20164 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20165   {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
20166 \expandafter\renewcommand\expandafter*%
20167 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p0}%
20168 }
20169
20170 \CloneTOCEntryStyle{tocline}{section}
20171 \TOCEntryStyleStartInitCode{section}{%
20172   \expandafter\renewcommand%
20173   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20174   \expandafter\renewcommand%
20175   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20176     {\normalfont\normalcolor ##1}}%
20177 }
20178
20179 \CloneTOCEntryStyle{section}{default}
20180
20181 \DeclareSectionCommand[%
20182   style=chapter,%
20183   level=\z@,%
20184   pagestyle=plain,%
20185   tocstyle=chapter,%
20186   tocindent=\z@,%
20187   tocnumwidth=1.5em%
20188 ]{chapter}
20189 \DeclareSectionCommand[%
20190   style=section,%
20191   level=1,%
20192   indent=\z@,%
20193   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
20194   afterskip=2.3ex \@plus.2ex,%
20195   tocstyle=section,%
20196   tocindentfollows=chapter,%
20197   tocindent=1.5em,%
20198   tocnumwidth=2.3em%
20199 ]{section}
20200 \DeclareSectionCommand[%
20201   style=part,%
20202   level=\m@ne,%
20203   pagestyle=plain,%
20204   tocstyle=part,%
20205   toclevel=\m@ne,%
20206   tocindent=\z@,%
20207   tocnumwidth=2em%
20208 ]{part}
20209 \DeclareSectionCommand[%
20210   style=section,%
20211   level=2,%
20212   indent=\z@,%

```



```

20213 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20214 afterskip=1.5ex \@plus .2ex,%
20215 tocstyle=section,%
20216 tocindent=3.8em,%
20217 tocnumwidth=3.2em%
20218 ]{subsection}
20219 \DeclareSectionCommand[%
20220 style=section,%
20221 level=3,%
20222 indent=\z@,%
20223 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20224 afterskip=1.5ex \@plus .2ex,%
20225 tocstyle=section,%
20226 tocindent=7.0em,%
20227 tocnumwidth=4.1em%
20228 ]{subsubsection}
20229 \DeclareSectionCommand[%
20230 style=section,%
20231 level=4,%
20232 indent=\z@,%
20233 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
20234 afterskip=-1em,%
20235 tocindentfollows=subsubsection,%
20236 tocstyle=section,%
20237 tocindent=10em,%
20238 tocnumwidth=5em%
20239 ]{paragraph}
20240 \DeclareSectionCommand[%
20241 style=section,%
20242 level=5,%
20243 indent=\scr@parindent,%
20244 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
20245 afterskip=-1em,%
20246 tocstyle=section,%
20247 tocindent=12em,%
20248 tocnumwidth=6em%
20249 ]{subparagraph}

```

123 File sidecap-xetex-bidi.def

```

20250 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
20251 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
20252   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
20253 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
20254 \renewcommand*{\SC@justify@caption}{\if@RTL%
20255 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
20256   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

124 File soul-xetex-bidi.def

```

20257 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
20258 \long\def\SOUL@start#1{%
20259   \let\bidi@RTL@everypar\@empty
20260   \let\<\SOUL@lowerthan

```



```

20261 \let\>\empty
20262 \def\soulomit{\noexpand\soulomit}%
20263 \gdef\Soul@eventuallyexhyphen##1{%
20264 \let\Soul@soeventuallyskip\relax
20265 \Soul@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
20266 \@minus\fontdimen4\font
20267 \Soul@ignorespacesfalse
20268 \leavevmode
20269 \Soul@preamble
20270 \Soul@lasttoken={}%
20271 \Soul@word={}%
20272 \Soul@minus\z@
20273 \Soul@comma\z@
20274 \Soul@apo\z@
20275 \Soul@grave\z@
20276 \Soul@do{#1}%
20277 \Soul@postamble
20278 }}
20279 \def\Soul@ulunderline#1{%
20280 \setbox\z@\hbox{#1}%
20281 \dimen@=\wd\z@
20282 \dimen@i=\Soul@uloverlap
20283 \advance\dimen@2\dimen@i
20284 \if@RTL
20285 \unhcopy\z@
20286 \llap{%
20287 \null
20288 \kern-\dimen@i
20289 \Soul@ulcolor{\Soul@ulleaders\hskip\dimen@}%
20290 }%
20291 \else
20292 \rlap{%
20293 \null
20294 \kern-\dimen@i
20295 \Soul@ulcolor{\Soul@ulleaders\hskip\dimen@}%
20296 }%
20297 \unhcopy\z@
20298 \fi
20299 }}
20300 \def\bid@Soul@ulleaders{%
20301 \leaders\hb@xt@0.1pt{\hss\Soul@ulcolor{\vrule\@depth\Soul@uldp\@height\Soul@ulht}\hss}\r
20302 }
20303 \def\Soul@uleveryspace#1{%
20304 \if@RTL
20305 #1%
20306 \bid@Soul@ulleaders
20307 \hskip\spaceskip
20308 \else
20309 \Soul@ulcolor{%
20310 #1%
20311 \Soul@ulleaders
20312 \hskip\spaceskip
20313 }%
20314 \fi

```



```

20315 \null
20316 }

```

125 File stabular-xetex-bidi.def

```

20317 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
20318 \def\@stabular{%
20319 \leavevmode \bgroup \if@RTLtab\beginR \fi
20320 \let\@acol\@tabacol
20321 \let\@classz\@tabclassz
20322 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
20323 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20324 \egroup \if@RTLtab\endR\fi\egroup}
20325 \expandafter \let \csname endstabular*\endcsname = \endstabular
20326 \def\@sarray[#1]#2{%
20327 \bgroup
20328 \setbox\@arstrutbox\hbox{%
20329 \vrule \@height\arraystretch\ht\strutbox
20330 \depth\arraystretch \dp\strutbox
20331 \width\z@}%
20332 \mkpream{#2}%
20333 \edef\@preamble{%
20334 \ialign \noexpand\@halignto
20335 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20336 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20337 \let\@tabularnewline\%
20338 \let\@sharp##%
20339 \set@typeset@protect
20340 \lineskip\z@skip\baselineskip\z@skip
20341 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
20342 \@preamble}

```

126 File subfigure-xetex-bidi.def

```

20343 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
20344 \AtBeginDocument{%
20345 \let\p@subfigure=\thefigure
20346 \let\p@subtable=\thetable%
20347 }

```

127 File tabs-xetex-bidi.def

```

20348 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
20349 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
20350
20351 \expandafter\let\csname endtabular*\endcsname=\endtabular
20352
20353 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given
20354 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
20355 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
20356
20357 \def\@array[#1]#2{% remember global variables to allow recursion:
20358 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
20359 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%

```



```

20360 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
20361 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
20362 \else \let\@tarlinesep\tablinesep \fi
20363 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
20364 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
20365 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
20366 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
20367 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
20368 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
20369 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
20370 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
20371 \let\protect\noexpand
20372 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
20373 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
20374 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20375 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
20376 \bgroup \let\par\@empty
20377 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
20378 \advance\extrarulesep.5\arrayrulewidth
20379 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
20380 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \box \fi\bgroup\fi
20381 \@preamble}

```

128 File tabularx-xetex-bidi.def

```

20382 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
20383 \def\TX@endtabularx{%
20384 \expandafter\expandafter\expandafter
20385 \TX@find@endtabularxa\csname end\TX@\endcsname
20386 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
20387 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
20388 \let\verb\TX@verb
20389 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
20390 \edef\TX@ckpt{\cl@ckpt}%
20391 \let\@elt\relax
20392 \TX@old@table\maxdimen
20393 \TX@col@width\TX@target
20394 \global\TX@cols\@ne
20395 \TX@typeout@
20396 {\spaces Table Width\@spaces Column Width\@spaces X Columns}%
20397 \TX@trial{\def\NC@rewrite@X{%
20398 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
20399 \loop
20400 \TX@arith
20401 \ifTX@
20402 \TX@trial{%
20403 \repeat
20404 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
20405 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
20406 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
20407 \csname tabular*\expandafter\endcsname\expandafter\TX@target
20408 \the\toks@
20409 \csname endtabular*\endcsname}%
20410 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn

```



```

20411 \ifnum0=`{\fi}%
20412 \expandafter\expandafter\expandafter
20413 \TX@find@endtabularxbb
20414 \expandafter\end\expandafter{\TX@}%
20415 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
20416 }
20417
20418 \def\TX@trial#1{%
20419 \setbox\@tempboxa\hbox{%
20420 #1\relax
20421 \let\@footnotetext\TX@trial@ftn
20422 \let\@LTRfootnotetext\TX@trial@ftn
20423 \let\@RTLfootnotetext\TX@trial@ftn
20424 \let\TX@vwarn\@empty
20425 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
20426 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
20427 \def\write{\begingroup
20428 \def\let{\afterassignment\endgroup\toks@}%
20429 \afterassignment\let\count@}%
20430 \hbadness\@M
20431 \hfuzz\maxdimen
20432 \let\hbadness\@tempcnta
20433 \let\hfuzz\@tempdima
20434 \expandafter\tabular\the\toks@
20435 \endtabular}%
20436 \TX@ckpt
20437 \TX@typeout@{\@spaces
20438 \expandafter\TX@align
20439 \the\wd\@tempboxa\space\space\space\space\space\@@
20440 \expandafter\TX@align
20441 \the\TX@col@width\space\space\space\space\space\@@
20442 \@spaces\the\TX@cols}}
20443
20444 \long\def\TX@LTRftntext#1{%
20445 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
20446 [\the\csname c@\@mpfn\endcsname]}}%
20447 \global\TX@ftn\expandafter{\@tempa{#1}}}%
20448 \long\def\TX@xLTRftntext[#1]#2{%
20449 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
20450
20451 \long\def\TX@RTLftntext#1{%
20452 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
20453 [\the\csname c@\@mpfn\endcsname]}}%
20454 \global\TX@ftn\expandafter{\@tempa{#1}}}%
20455 \long\def\TX@xRTLftntext[#1]#2{%
20456 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

129 File tabulary-xetex-bidi.def

```

20457 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
20458 \def\@testpach{\@chclass
20459 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
20460 \ifnum \@lastchclass=7 5 \else
20461 \ifnum \@lastchclass=8 \tw@ \else

```



```

20462 \ifnum \@lastchclass=9 \thr@@
20463 \else \z@
20464 \ifnum \@lastchclass = 10 \else
20465 \edef\@nextchar{\expandafter\string\@nextchar}%
20466 \@chnum
20467 \if \@nextchar c\z@ \else
20468 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
20469 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
20470 \if \@nextchar C7 \else
20471 \if \@nextchar L8 \else
20472 \if \@nextchar R9 \else
20473 \if \@nextchar J10 \else
20474 \z@ \@chclass
20475 \if \@nextchar |\@ne \else
20476 \if \@nextchar !6 \else
20477 \if \@nextchar @7 \else
20478 \if \@nextchar <8 \else
20479 \if \@nextchar >9 \else
20480 10
20481 \@chnum
20482 \if \@nextchar m\thr@@\else
20483 \if \@nextchar p4 \else
20484 \if \@nextchar b5 \else
20485 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
20486 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

130 File tc-xetex-bidi.def

```

20487 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
20488 \def\@cliptoboxdim#1{%
20489 \setbox#1=\hbox{%
20490 \Gin@defaultbp\WIDTH{\wd#1}%
20491 \Gin@defaultbp\DEPTH{\dp#1}%
20492 \@tempdima\ht#1%
20493 \advance\@tempdima\dp#1%
20494 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
20495 \beginL\special{pdf:bcontent }%
20496 \special{%
20497 pdf:literal direct
20498 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
20499 }%
20500 \special{pdf:literal direct W }%
20501 \special{pdf:literal direct n }%
20502 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
20503 \special{pdf:econtent }\endL%
20504 }%
20505 }

```

131 File tcolorbox-xetex-bidi.def

```

20506 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
20507 \let\endtcbox@lrbox=\endminipage
20508 \let\endtcbox@savebox=\endtcbox@lrbox
20509

```



```

20510 \bidi@patchcmd{\tcb@vbox}{%
20511   \let\@footnotetext\@mpfootnotetext%
20512 }{%
20513   \let\@footnotetext\@mpfootnotetext%
20514   \let\@LTRfootnotetext\@mpLTRfootnotetext%
20515   \let\@RTLfootnotetext\@mpRTLfootnotetext%
20516 }{}{}
20517
20518 \bidi@patchcmd{\end tcb@vbox}{%
20519   \footnoterule%
20520 }{%
20521   \bidi@mpfootnoterule%
20522 }{}{}
20523 \bidi@apptocmd\tcb@icolorbox{%
20524   \@bidi@list@minipage@parboxfalse
20525 }{}{}

```

132 File titlesec-xetex-bidi.def

```

20526 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
20527 \renewcommand\filright{%
20528   \gdef\ttl@filleft##1{\hskip##1}%
20529   \gdef\ttl@filright##1{\hfill}%
20530   \let\\\@centercr
20531   \advance\rightskip\z@ \@plus 1fil
20532   \parfillskip\z@}
20533 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
20534   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
20535   \setlength\leftskip{#6}%
20536   \setlength\rightskip{#7}%
20537   \interlinepenalty\@M
20538   \ttl@change centercr
20539   \ttl@begin longest
20540   #1{\ifhmode\ttl@hmode@error\fi
20541     \ttl@glcmds
20542     \parindent\z@
20543     \leavevmode
20544     \begin group
20545       \ifttl@label
20546         \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
20547         \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
20548         \llap{\box\z@}%
20549       \fi
20550       #4{#8}%
20551       \kern\z@\strut\@par
20552     \end group
20553     \nobreak\ttl@midlongest#5\@par}%
20554   \ttl@end longest}

```

133 File titletoc-xetex-bidi.def

```

20555 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
20556 \renewcommand\filright{%
20557   \gdef\ttl@filleft##1{\hskip##1}%

```




```

20558 \gdef\ttl@filright##1{\hfill}%
20559 \let\\\@centercr
20560 \advance\rightskip\z@ \@plus 1fil
20561 \parfillskip\z@}
20562 \renewcommand\contentspush[1]{%
20563 \sbox\z@{#1}%
20564 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
20565 \aftergroup\ttl@b
20566 \leavevmode\llap{\box\z@}}
20567 \def\ttl@outnoblock#1#2#3{%
20568 \begingroup
20569 \ifnum\ttl@b>\ttl@a
20570 \nobreak
20571 \else\ifnum\ttl@b<\ttl@a
20572 \addpenalty{\@secpenalty}%
20573 \else
20574 \addpenalty{\z@}%
20575 \fi\fi
20576 \ttl@contentsstretch
20577 \nobreak
20578 \ifcase#1\relax\else\interlinepenalty\@M\fi
20579 \parindent\z@
20580 \ifx\@nil#2%
20581 \PackageError{titletoc}{Unimplemented}%
20582 {The optional argument is currently mandatory}%
20583 \else
20584 \if@RTL\setlength\rightskip{#2}\else
20585 \setlength\leftskip{#2}\fi%
20586 \fi
20587 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
20588 \let\contentsmargin\ttl@margin
20589 \def\ttl@makeline##1{##1}%
20590 #3%
20591 \addtolength{\parfillskip}{-\ttl@corr}%
20592 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
20593 \let\ttl@leaders\leaders}
20594 \renewcommand\ttl@margin[2][\z@]{%
20595 \def\ttl@corr{#1}%
20596 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
20597 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
20598 \def\@pnumwidth{#2}}
20599 \let\ttl@savel@part\l@part
20600 \def\l@part{\ttl@lselect{part}}
20601
20602 \let\ttl@savel@chapter\l@chapter
20603 \def\l@chapter{\ttl@lselect{chapter}}

```

134 File tocbibbind-xetex-bidi.def

```

20604 \ProvidesFile{tocbibbind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibbind packa
20605 \if@dotocbib
20606 \@ifpackageloaded{natbib}{\% natbib not loaded
20607 \renewcommand{\bibsection}{\tcb@bchapsec}
20608 \renewenvironment{thebibliography}[1]{%

```



```

20609     \bibsection
20610     \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
20611 \renewenvironment{thebibitemlist}[1]{
20612   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20613   \bidi@thebibliography@font@hook%
20614   \list{\@biblabel{\@arabic\c@enumiv}}%
20615     {\settowidth\labelwidth{\@biblabel{#1}}%
20616     \leftmargin\labelwidth
20617     \advance\leftmargin\labelsep
20618     \@openbib@code
20619     \usecounter{enumiv}%
20620     \let\p@enumiv\empty
20621     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
20622   \sloppy
20623   \clubpenalty4000
20624   \@clubpenalty \clubpenalty
20625   \widowpenalty4000%
20626   \sfcode`.\@m}
20627 {\def\@noitemerr
20628   {\@latex@warning{Empty `thebibliography' environment}}}%
20629   \endlist}
20630
20631 \ifpackagewith{chapterbib}{sectionbib}%
20632   {\renewcommand{\sectionbib}[2]{}%
20633   {}
20634
20635 \fi
20636 \if@inltxdoc\else
20637   \renewenvironment{theindex}%
20638     {\if@twocolumn
20639       \@restonecolfalse
20640     \else
20641       \@restonecoltrue
20642     \fi
20643     \if@bibchapter
20644       \if@donumindex
20645         \refstepcounter{chapter}
20646         \twocolumn[\vspace*{2\topskip}%
20647           \@makechapterhead{\indexname}]]%
20648         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
20649         \chaptermark{\indexname}
20650       \else
20651         \if@dotocind
20652           \twocolumn[\vspace*{2\topskip}%
20653             \@makeschapterhead{\indexname}]]%
20654           \prw@mkboth{\indexname}
20655           \addcontentsline{toc}{chapter}{\indexname}
20656         \else
20657           \twocolumn[\vspace*{2\topskip}%
20658             \@makeschapterhead{\indexname}]]%
20659           \prw@mkboth{\indexname}
20660         \fi
20661       \fi
20662     \else

```



```

20663     \if@donumindex
20664         \twocolumn[\vspace*{-1.5\topskip}%
20665             \@nameuse{\@tocextra}{\indexname}]]%
20666         \csname \@tocextra mark\endcsname{\indexname}
20667     \else
20668         \if@dotocind
20669             \twocolumn[\vspace*{-1.5\topskip}%
20670                 \toc@headstar{\@tocextra}{\indexname}]]%
20671             \prw@mkboth{\indexname}
20672             \addcontentsline{toc}{\@tocextra}{\indexname}
20673         \else
20674             \twocolumn[\vspace*{-1.5\topskip}%
20675                 \toc@headstar{\@tocextra}{\indexname}]]%
20676             \prw@mkboth{\indexname}
20677         \fi
20678     \fi
20679 \fi
20680 \thispagestyle{plain}\parindent\z@
20681 \parskip\z@ \@plus .3\p@\relax
20682 \let\item\@idxitem}
20683 {\if@restonecol\onecolumn\else\clearpage\fi}
20684 \fi

```

135 File tocloft-xetex-bidi.def

```

20685 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package f
20686 \let\cftdot\@SepMark
20687 \if@cfthaspart
20688 \renewcommand*{\l@part}[2]{
20689     \@cftdopartfalse
20690     \ifnum \c@tocdepth >-2\relax
20691         \if@cfthaschapter
20692             \@cftdoparttrue
20693         \fi
20694         \ifnum \c@tocdepth >\m@ne
20695             \if@cfthaschapter\else
20696                 \@cftdoparttrue
20697             \fi
20698         \fi
20699     \fi
20700 \if@cftdopart
20701     \if@cfthaschapter
20702         \addpenalty{-\@highpenalty}
20703     \else
20704         \addpenalty\@secpenalty
20705     \fi
20706     \addvspace{\cftbeforepartskip}
20707     \begingroup
20708     {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
20709     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
20710     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20711     \parindent \cftpartindent\relax\@afterindenttrue
20712     \interlinepenalty\@M
20713     \leavevmode

```



```

20714 \tempdima \cftpartnumwidth\relax
20715 \let\@cftbsnum \cftpartpresnum
20716 \let\@cftasnum \cftpartaftersnum
20717 \let\@cftasnumb \cftpartaftersnumb
20718 \advance\if@RTL\rightskip\else\leftskip\fi \tempdima \null\nobreak\hskip -\if@RTL\right
20719 {\cftpartfont \cftpartpresnum #1}
20720 \cftpartfillnum{#2}}
20721 \nobreak
20722 \if@cfthaschapter
20723 \global\@nobreaktrue
20724 \everypar{\global\@nobreakfalse\everypar{}}
20725 \else
20726 \if@compatibility
20727 \global\@nobreaktrue
20728 \everypar{\global\@nobreakfalse\everypar{}}
20729 \fi
20730 \fi
20731 \endgroup
20732 \fi}
20733 \fi
20734 \if@cfthaschapter
20735 \renewcommand*{\l@chapter}[2]{
20736 \ifnum \c@tocdepth >\m@ne
20737 \addpenalty{-\@highpenalty}
20738 \vskip \cftbeforechapskip
20739 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
20740 \if@RTL\leftskip\else\rightskip\fi \tocrmarg
20741 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20742 \parindent \cftchapindent\relax\@afterindenttrue
20743 \interlinepenalty\@M
20744 \leavevmode
20745 \tempdima \cftchapnumwidth\relax
20746 \let\@cftbsnum \cftchappresnum
20747 \let\@cftasnum \cftchapaftersnum
20748 \let\@cftasnumb \cftchapaftersnumb
20749 \advance\if@RTL\rightskip\else\leftskip\fi \tempdima \null\nobreak\hskip -\if@RTL\right
20750 {\cftchapfont #1}\nobreak
20751 \cftchapfillnum{#2}}
20752 \fi}
20753 \fi
20754 \renewcommand*{\l@section}[2]{%
20755 \ifnum \c@tocdepth >\z@
20756 \if@cfthaschapter
20757 \vskip \cftbeforesecskip
20758 \else
20759 \addpenalty\@secpenalty
20760 \addvspace{\cftbeforesecskip}
20761 \fi
20762 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
20763 \if@RTL\leftskip\else\rightskip\fi \tocrmarg
20764 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20765 \parindent \cftsecindent\relax\@afterindenttrue
20766 \interlinepenalty\@M
20767 \leavevmode

```



```

20768 \@tempdima \cftsecnumwidth\relax
20769 \let\@cftbsnum \cftsecpresnum
20770 \let\@cftasnum \cftsecaftersnum
20771 \let\@cftasnumb \cftsecaftersnumb
20772 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
20773 {\cftsecfont #1}\nobreak
20774 \cftsecfillnum{#2}}
20775 \fi}
20776 \renewcommand*{\l@section}[2]{%
20777 \ifnum \c@tocdepth >\@ne
20778 \vskip \cftbeforesubsecskip
20779 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
20780 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
20781 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20782 \parindent \cftsubsecindent\relax\@afterindenttrue
20783 \interlinepenalty\@M
20784 \leavevmode
20785 \@tempdima \cftsubsecnumwidth\relax
20786 \let\@cftbsnum \cftsubsecpresnum
20787 \let\@cftasnum \cftsubsecaftersnum
20788 \let\@cftasnumb \cftsubsecaftersnumb
20789 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
20790 {\cftsubsecfont #1}\nobreak
20791 \cftsubsecfillnum{#2}}
20792 \fi}
20793 \renewcommand*{\l@subsubsection}[2]{%
20794 \ifnum \c@tocdepth >\tw@
20795 \vskip \cftbeforesubsubsecskip
20796 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
20797 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
20798 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20799 \parindent \cftsubsubsecindent\relax\@afterindenttrue
20800 \interlinepenalty\@M
20801 \leavevmode
20802 \@tempdima \cftsubsubsecnumwidth\relax
20803 \let\@cftbsnum \cftsubsubsecpresnum
20804 \let\@cftasnum \cftsubsubsecaftersnum
20805 \let\@cftasnumb \cftsubsubsecaftersnumb
20806 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
20807 {\cftsubsubsecfont #1}\nobreak
20808 \cftsubsubsecfillnum{#2}}
20809 \fi}
20810 \renewcommand*{\l@paragraph}[2]{%
20811 \ifnum \c@tocdepth >3\relax
20812 \vskip \cftbeforeparaskip
20813 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
20814 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
20815 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20816 \parindent \cftparaindent\relax\@afterindenttrue
20817 \interlinepenalty\@M
20818 \leavevmode
20819 \@tempdima \cftparanumwidth\relax
20820 \let\@cftbsnum \cftparapresnum
20821 \let\@cftasnum \cftparaaftersnum

```



```

20822 \let\@cftasnumb \cftparaaftersnumb
20823 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
20824 {\cftparafont #1}\nobreak
20825 \cftparafillnum{#2}}
20826 \fi}
20827 \renewcommand*{\l@subparagraph}[2]{%
20828 \ifnum \c@tocdepth >4\relax
20829 \vskip \cftbeforesubparaskip
20830 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
20831 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
20832 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
20833 \parindent \cftsubparaindent\relax\@afterindenttrue
20834 \interlinepenalty\@M
20835 \leavevmode
20836 \@tempdima \cftsubparanumwidth\relax
20837 \let\@cftbsnum \cftsubparapresnum
20838 \let\@cftasnum \cftsubparaaftersnum
20839 \let\@cftasnumb \cftsubparaaftersnumb
20840 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
20841 {\cftsubparafont #1}\nobreak
20842 \cftsubparafillnum{#2}}
20843 \fi}
20844 \renewcommand*{\l@figure}[2]{%
20845 \ifnum \c@lofdepth >\z@
20846 \vskip \cftbeforefigskip
20847 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
20848 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
20849 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
20850 \parindent \cftfigindent\relax\@afterindenttrue
20851 \interlinepenalty\@M
20852 \leavevmode
20853 \@tempdima \cftfignumwidth\relax
20854 \let\@cftbsnum \cftfigpresnum
20855 \let\@cftasnum \cftfigaftersnum
20856 \let\@cftasnumb \cftfigaftersnumb
20857 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
20858 {\cftfigfont #1}\nobreak
20859 \cftfigfillnum{#2}}
20860 \fi
20861 }
20862 \renewcommand*{\l@table}[2]{%
20863 \ifnum \c@lotdepth >\z@
20864 \vskip \cftbeforetabskip
20865 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
20866 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
20867 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
20868 \parindent \cfttabindent\relax\@afterindenttrue
20869 \interlinepenalty\@M
20870 \leavevmode
20871 \@tempdima \cfttabnumwidth\relax
20872 \let\@cftbsnum \cfttabpresnum
20873 \let\@cftasnum \cfttabaftersnum
20874 \let\@cftasnumb \cfttabaftersnumb
20875 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip

```



```

20876     {\cfttabfont #1}\nobreak
20877     \cfttabfillnum{#2}}
20878   \fi
20879 }
20880 \renewcommand{\@cftl@subfig}{
20881 \renewcommand*{\l@subfigure}[2]{%
20882   \ifnum \c@lofdepth > \toclevel@subfigure
20883     \vskip \cftbeforesubfigskip
20884     {\if@RTL\righskip\else\leftskip\fi \cftsubfigindent\relax
20885     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
20886     \parfillskip -\if@RTL\leftskip\else\righskip\fi
20887     \parindent \cftsubfigindent\relax\@afterindenttrue
20888     \interlinepenalty\@M
20889     \leavevmode
20890     \@tempdima \cftsubfignumwidth\relax
20891     \let\@cftbsnum \cftsubfigpresnum
20892     \let\@cftasnum \cftsubfigaftersnum
20893     \let\@cftasnumb \cftsubfigaftersnumb
20894     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
20895     {\cftsubfigfont ##1}\nobreak
20896     \cftsubfigfillnum{##2}}
20897   \fi
20898 }
20899 }
20900 \renewcommand{\@cftl@subtab}{
20901 \renewcommand*{\l@subtable}[2]{%
20902   \ifnum \c@lotdepth > \toclevel@subtable
20903     \vskip \cftbeforesubtabskip
20904     {\if@RTL\righskip\else\leftskip\fi \cftsubtabindent\relax
20905     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
20906     \parfillskip -\if@RTL\leftskip\else\righskip\fi
20907     \parindent \cftsubtabindent\relax\@afterindenttrue
20908     \interlinepenalty\@M
20909     \leavevmode
20910     \@tempdima \cftsubtabnumwidth\relax
20911     \let\@cftbsnum \cftsubtabpresnum
20912     \let\@cftasnum \cftsubtabaftersnum
20913     \let\@cftasnumb \cftsubtabaftersnumb
20914     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
20915     {\cftsubtabfont ##1}\nobreak
20916     \cftsubtabfillnum{##2}}
20917   \fi
20918 }
20919 }
20920 \renewcommand{\newlistentry}[4][\@empty]{%
20921   \@ifundefined{c@#2}{%      check & set the counter
20922     \ifx \@empty#1\relax
20923       \newcounter{#2}
20924     \else
20925       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
20926         {#1 has no counter for use as a `within'}}
20927       \newcounter{#2}}%
20928   {\newcounter{#2}[#1}%
20929   \expandafter\edef\csname the#2\endcsname{%

```



```

20930         \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
20931     \fi
20932     \setcounter{#2}{0}
20933 }
20934 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
20935
20936 \@namedef{l@#2}##1##2{%
20937     \ifnum \@nameuse{c@#3depth} > #4\relax
20938         \vskip \@nameuse{cftbefore#2skip}
20939         {\ifRTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
20940         \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
20941         \parfillskip -\ifRTL\leftskip\else\rightskip\fi
20942         \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
20943         \interlinepenalty\@M
20944         \leavevmode
20945         \@tempdima \@nameuse{cft#2numwidth}\relax
20946         \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
20947         \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
20948         \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
20949         \advance\ifRTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\ifRTL\right
20950         {\@nameuse{cft#2font}##1}\nobreak
20951         \@nameuse{cft#2fillnum}{##2}}
20952     \fi
20953 } % end of l@#2
20954
20955 \expandafter\newlength\csname cftbefore#2skip\endcsname
20956 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2p@}
20957 \expandafter\newlength\csname cft#2indent\endcsname
20958 \expandafter\newlength\csname cft#2numwidth\endcsname
20959 \ifcase #4\relax % 0
20960     \setlength{\@nameuse{cft#2indent}}{0em}
20961     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
20962 \or % 1
20963     \setlength{\@nameuse{cft#2indent}}{1.5em}
20964     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
20965 \or % 2
20966     \setlength{\@nameuse{cft#2indent}}{3.8em}
20967     \setlength{\@nameuse{cft#2numwidth}}{3.2em}
20968 \or % 3
20969     \setlength{\@nameuse{cft#2indent}}{7.0em}
20970     \setlength{\@nameuse{cft#2numwidth}}{4.1em}
20971 \else % anything else
20972     \setlength{\@nameuse{cft#2indent}}{10.0em}
20973     \setlength{\@nameuse{cft#2numwidth}}{5.0em}
20974 \fi
20975 \@namedef{cft#2font}{\normalfont}
20976 \@namedef{cft#2presnum}{}
20977 \@namedef{cft#2aftersnum}{}
20978 \@namedef{cft#2aftersnumb}{}
20979 \@namedef{cft#2dotsep}{\cftdotsep}
20980 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
20981 \@namedef{cft#2pagefont}{\normalfont}
20982 \@namedef{cft#2afterpnum}{}
20983 \@namedef{toclevel@#2}{#4}

```




```

20984 \namedef{cft#2fillnum}##1{%
20985   {\nameuse{cft#2leader}}\nobreak
20986   \hb@xt@{\pnumwidth{\hfil\nameuse{cft#2pagefont}##1}\nameuse{cft#2afterpnum}}\par}
20987 } % end \newlistentry
20988 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
20989   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
20990   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
20991   \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
20992   \textit{#1}\protect\par}}}

```

136 File tocbasic-xetex-bidi.def

```

20993 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/05/27 v0.4 bidi adaptations for tocbasic package]
20994 \bidi@undef\scr@dte@def@l@undottedtocline
20995 \bidi@undef\scr@dte@undottedtocline@init
20996 \DeclareTOCEntryStyle{undottedtocline}[{%
20997   \DefineTOCEntryLengthOption{indent}%
20998   {scr@tso@}{@indent}{entry indent}%
20999   \DefineTOCEntryLengthOption{numwidth}%
21000   {scr@tso@}{@numwidth}{entry number width}%
21001   \@ifundefined{#1tocdepth}{%
21002     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
21003       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
21004         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
21005           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
21006             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
21007               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
21008                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
21009                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
21010                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
21011                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
21012                         \csname #1numdepth\endcsname
21013                     }%
21014                   }%
21015                 }%
21016               }%
21017             }%
21018           }%
21019         }%
21020       }%
21021     }%
21022   }{%}%
21023   \@ifundefined{scr@tso@#1@indent}{%
21024     \@ifundefined{scr@#1@tocindent}{%
21025       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21026         \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21027           \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
21028             \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
21029               \scr@ifundefinedorrelax{1@chapter}{%
21030                 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
21031                   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21032                     \Ifstr{#1}{subsubsection}{%
21033                       \@namedef{scr@tso@#1@indent}{3.8em}%
21034                     }%

```



```

21035         \Ifstr{#1}{paragraph}{%
21036             \@namedef{scr@tso@#1@indent}{7em}%
21037         }{%
21038             \Ifstr{#1}{subparagraph}{%
21039                 \@namedef{scr@tso@#1@indent}{10em}%
21040             }{%
21041                 }%
21042             }%
21043         }%
21044     }%
21045 }{%
21046 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21047     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
21048         \Ifstr{#1}{subsubsection}{%
21049             \@namedef{scr@tso@#1@indent}{7.0em}%
21050         }{%
21051             \Ifstr{#1}{paragraph}{%
21052                 \@namedef{scr@tso@#1@indent}{10em}%
21053             }{%
21054                 \Ifstr{#1}{subparagraph}{%
21055                     \@namedef{scr@tso@#1@indent}{12em}%
21056                 }{%
21057                     }%
21058                 }%
21059             }%
21060         }%
21061     }%
21062 }%
21063 }%
21064 }%
21065 }%
21066 }%
21067 }%
21068 }{%
21069     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
21070 }%
21071 }{%
21072 \@ifundefined{scr@tso@#1@numwidth}{%
21073     \@ifundefined{scr@#1@tocnumwidth}{%
21074         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21075             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21076                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
21077                     \scr@ifundefinedorrelax{chapter}{%
21078                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
21079                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21080                                 \Ifstr{#1}{subsubsection}{%
21081                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
21082                                 }{%
21083                                     \Ifstr{#1}{paragraph}{%
21084                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
21085                                     }{%
21086                                         \Ifstr{#1}{subparagraph}{%
21087                                             \@namedef{scr@tso@#1@numwidth}{5m}%
21088                                         }{%

```



```

21089         }%
21090     }%
21091 }%
21092 }%
21093 }%
21094 }{%
21095     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21096         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
21097             \Ifstr{#1}{subsubsection}{%
21098                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
21099             }{%
21100                 \Ifstr{#1}{paragraph}{%
21101                     \@namedef{scr@tso@#1@numwidth}{5em}%
21102                 }{%
21103                     \Ifstr{#1}{subparagraph}{%
21104                         \@namedef{scr@tso@#1@numwidth}{6em}%
21105                     }{%
21106                         }%
21107                     }%
21108                 }%
21109             }%
21110         }%
21111     }%
21112 }%
21113 }%
21114 }%
21115 }{%
21116     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
21117 }%
21118 }{%}%
21119 }]{%
21120 \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth}--\@ne\relax
21121     \ifnum \@nameuse{#1tocdepth}<\@ne
21122         \scr@ifundefinedorrelax{chapter}{%
21123             \addpenalty\@secpenalty
21124             \addvspace{1.0em \@plus\p@}%
21125         }{%
21126             \addpenalty{-\@highpenalty}%
21127             \vskip 1.0em \@plus\p@
21128         }%
21129     \else
21130         \addpenalty\@secpenalty
21131         \addvspace{1.0em \@plus\p@}%
21132     \fi
21133     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
21134     \begingroup
21135         \parindent \z@ \bidi@rightskip \@pnumwidth
21136         \parfillskip -\@pnumwidth
21137         \leavevmode
21138         \bfseries
21139         \advance\bidi@leftskip\@tempdima
21140         \Iftocfeature{\@currentt}{noindent}{%
21141             \hskip -\bidi@leftskip
21142         }{%

```



```

21143      \advance\bidil@leftskip\@nameuse{scr@tso@#1@indent}%
21144      \hskip -\dimexpr \bidil@leftskip-\@nameuse{scr@tso@#1@indent}\relax
21145    }%
21146    ##1%
21147    \nobreak
21148    \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
21149    \par
21150    \penalty\@highpenalty
21151  \endgroup
21152 \fi
21153 }
21154
21155 \bidi@undef\scr@dte@def@l@largetocline
21156 \bidi@undef\scr@dte@largetocline@init
21157 \DeclareTOCEntryStyle{largetocline}[{%
21158   \DefineTOCEntryLengthOption{indent}%
21159   {scr@tso@}{@indent}{entry indent}%
21160   \@ifundefined{#1tocdepth}{%
21161     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
21162       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
21163         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
21164           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
21165             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
21166               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
21167                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
21168                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
21169                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
21170                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
21171                       \csname #1numdepth\endcsname
21172                     }%
21173                   }%
21174                 }%
21175               }%
21176             }%
21177           }%
21178         }%
21179       }%
21180     }%
21181   }{}%
21182   \@ifundefined{scr@tso@#1@indent}{%
21183     \@ifundefined{scr@#1@tocindent}{%
21184       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21185         \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21186           \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
21187             \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
21188               \scr@ifundefinedorrelax{l@chapter}{%
21189                 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
21190                   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21191                     \Ifstr{#1}{subsubsection}{%
21192                       \@namedef{scr@tso@#1@indent}{3.8em}%
21193                     }%
21194                   \Ifstr{#1}{paragraph}{%
21195                     \@namedef{scr@tso@#1@indent}{7em}%
21196                   }%

```



```

21197         \Ifstr{#1}{subparagraph}{%
21198             \@namedef{scr@tso@#1@indent}{10em}%
21199         }{%
21200             }%
21201         }%
21202     }%
21203 }%
21204 }%
21205 }{%
21206     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21207         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
21208             \Ifstr{#1}{subsubsection}{%
21209                 \@namedef{scr@tso@#1@indent}{7.0em}%
21210             }{%
21211                 \Ifstr{#1}{paragraph}{%
21212                     \@namedef{scr@tso@#1@indent}{10em}%
21213                 }{%
21214                     \Ifstr{#1}{subparagraph}{%
21215                         \@namedef{scr@tso@#1@indent}{12em}%
21216                     }{%
21217                         }%
21218                     }%
21219                 }%
21220             }%
21221         }%
21222     }%
21223 }%
21224 }%
21225 }%
21226 }%
21227 }{%
21228     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
21229 }%
21230 }{%}%
21231 }]{%
21232     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
21233         \ifnum \@nameuse{#1tocdepth}<\@ne
21234             \scr@ifundefinedorrelax{chapter}{%
21235                 \addpenalty\@secpenalty
21236                 \addvspace{2.25em \@plus\p@}%
21237             }{%
21238                 \addpenalty{-\@highpenalty}%
21239                 \addvspace{2.25em \@plus\p@}%
21240             }%
21241         \else
21242             \addpenalty\@secpenalty
21243             \addvspace{2.25em \@plus\p@}%
21244         \fi
21245         \setlength\@tempdima{3em}%
21246         \begingroup
21247             \parindent \z@ \bidi@rightskip \@pnumwidth
21248             \parfillskip -\@pnumwidth
21249             \leavevmode
21250             \large

```



```

21251 \bfseries
21252 \iftocfeature{\@currentt}{noindent}{%
21253 }{%
21254 \advance\bidil@leftskip\@nameuse{scr@tso@#1@indent}%
21255 }%
21256 ##1%
21257 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
21258 \par
21259 \nobreak
21260 \ifnum 0=
21261 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
21262 \global\@nobreaktrue
21263 \everypar{\global\@nobreakfalse\everypar{}}%
21264 \fi
21265 \endgroup
21266 \fi
21267 }
21268
21269 \renewcommand*{\scr@dte@tocline}[3]{%
21270 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
21271 \else
21272 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
21273 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
21274 \@nameuse{Ifscr@tso@#1@dynindent}{%
21275 \expandafter\ifx\csname scr@tso@#1@indentfollows\endcsname\@empty
21276 \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
21277 \else
21278 \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
21279 \@for \reserved@a:=\reserved@a\do {%
21280 \scr@trim@spaces\reserved@a
21281 \ifx\reserved@a\@empty\else
21282 \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
21283 }{%
21284 \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
21285 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
21286 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
21287 \scr@ifundefinedorrelax
21288 {scr@dte@\reserved@a @lastmaxnumwidth}{%
21289 \advance\@tempdima
21290 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
21291 }{%
21292 \advance\@tempdima
21293 \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
21294 }%
21295 }{%
21296 \advance\@tempdima
21297 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
21298 }%
21299 \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
21300 \expandafter\edef\csname scr@tso@#1@indent\endcsname
21301 {\the\@tempdima}%
21302 \fi
21303 \fi
21304 }%

```



```

21305         \fi
21306     }%
21307     \fi
21308 }{}%
21309 {%
21310     \Iftocfeature{\@currentx}{noindent}{%
21311         \bidi@leftskip \z@
21312     }{%
21313         \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
21314     }%
21315     \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
21316     \parfillskip -\bidi@rightskip
21317     \@nameuse{Ifscr@tso@#1@raggedpage}{%
21318         \addtolength{\parfillskip}{\z@ \@plus 1fil}%
21319     }{}%
21320     \Iftocfeature{\@currentx}{noindent}{%
21321         \parindent \z@
21322     }{%
21323         \parindent \@nameuse{scr@tso@#1@indent}\relax
21324     }%
21325     \@afterindenttrue
21326     \interlinepenalty\@M
21327     \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
21328         \addtolength\bidi@rightskip\@flushglue
21329     \else
21330         \def\reserved@a{\raggedright}%
21331         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
21332             \addtolength\bidi@rightskip\@flushglue
21333         \else
21334             \renewcommand\reserved@a{\raggedright}%
21335             \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
21336                 \addtolength\bidi@rightskip\@flushglue
21337             \fi
21338         \fi
21339     \fi
21340     \leavevmode
21341     \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
21342     \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
21343         \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
21344             \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
21345                 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
21346             \fi
21347         }%
21348     }{}%
21349     \advance\bidi@leftskip \@tempdima
21350     \null\nobreak\hskip -\bidi@leftskip
21351     {%
21352         \usetocbasicnumberline
21353         \let\scr@dte@numberline@box\numberline@box
21354         \def\numberline@box##1{%
21355             \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
21356         \global\scr@dte@tocline@numberwidth
21357         \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
21358         \relax

```



```

21359 \ifdim \scr@dte@tocline@numberwidth
21360 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
21361 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
21362 \fi
21363 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}{%
21364 \ifdim \scr@dte@tocline@numberwidth
21365 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
21366 +\@nameuse{scr@tso@#1@numsep}\relax\relax
21367 \PackageWarning{tocbasic}{%
21368 number width of #1 toc entries should be
21369 increased!\MessageBreak
21370 Currently used number width =
21371 \the\wd\scr@dte@tocline@numbox,\MessageBreak
21372 Wanted number separation
21373 \space\space\space =
21374 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
21375 Reserved number width \space\space\space\space\space\space =
21376 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
21377 }%
21378 \fi
21379 }%
21380 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
21381 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
21382 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
21383 }{}%
21384 }%
21385 {\@nameuse{scr@tso@#1@entryformat}{%
21386 #2%
21387 \nobreak
21388 {%
21389 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
21390 \nobreak
21391 \expandafter\let\expandafter\scr@dte@pagenumberwidth
21392 \csname scr@tso@#1@pagenumberwidth\endcsname
21393 \@nameuse{scr@tso@#1@pagenumberbox}{%
21394 \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
21395 }%
21396 }%
21397 }}\@par
21398 }%
21399 }%
21400 \tocbasic@SetPenaltyByTOCLevel{#1}%
21401 \fi
21402 }
21403
21404
21405 \bidi@undef\scr@dte@def@l@tocline
21406 \bidi@undef\scr@dte@tocline@init
21407 \DeclareTOCEntryStyle{tocline}[%
21408 \DefineTOCEntryLengthOption{beforeskip}%
21409 {scr@tso@}{@beforeskip}{vertical skip before the entry}%
21410 \DefineTOCEntryIfOption{breakafternumber}%
21411 {scr@tso@}{@breakafternumber}{line break after number flag}%
21412 \DefineTOCEntryIfOption{dynnumwidth}%

```




```

21413 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
21414 \DefineTOCEntryListOption{indentfollows}%
21415 {scr@tso@}{@indentfollows}{list of levels that define the indent}%
21416 \DefineTOCEntryIfOption{dynindent}%
21417 {scr@tso@}{@dynindent}{dynamic indent width flag}%
21418 \DefineTOCEntryCommandOption{entryformat}%
21419 {scr@tso@}{@entryformat}[1]{entry format}%
21420 \DefineTOCEntryCommandOption{entrynumberformat}%
21421 {scr@tso@}{@numberformat}[1]{entry number format}%
21422 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
21423 {scr@tso@}{@linefill}{filling between text and page number}%
21424 \DefineTOCEntryLengthOption{numsep}%
21425 {scr@tso@}{@numsep}{entry number separation}%
21426 \DefineTOCEntryCommandOption{onstarthigherlevel}%
21427 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
21428 \DefineTOCEntryCommandOption{onstartlowerlevel}%
21429 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
21430 \DefineTOCEntryCommandOption{onstartsamelevel}%
21431 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
21432 \DefineTOCEntryCommandOption{pagenumberbox}%
21433 {scr@tso@}{@pagenumberbox}[1]{page number box}%
21434 \DefineTOCEntryCommandOption{pagenumberformat}%
21435 {scr@tso@}{@pagenumberformat}[1]{page number format}%
21436 \DefineTOCEntryLengthOption{pagenumberwidth}%
21437 {scr@tso@}{@pagenumberwidth}{width of page number box}%
21438 \DefineTOCEntryLengthOption{rightindent}%
21439 {scr@tso@}{@rightindent}{entry's text right indent}%
21440 \DefineTOCEntryOption{raggedentrytext}[true]{%
21441 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
21442 \ifx\FamilyKeyState\FamilyKeyStateProcessed
21443 \if@tempswa
21444 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
21445 \raggedright
21446 \else
21447 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
21448 \relax
21449 \fi
21450 \fi
21451 }%
21452 \DefineTOCEntryIfOption{raggedpagenumber}%
21453 {scr@tso@}{@raggedpage}{page number ragged flag}%
21454 \DefineTOCEntryLengthOption{indent}%
21455 {scr@tso@}{@indent}{entry indent}%
21456 \DefineTOCEntryLengthOption{numwidth}%
21457 {scr@tso@}{@numwidth}{entry number width}%
21458 \scr@ifundefinedorrelax{#1}{tocdepth}{%
21459 \Ifstrstart{#1}{sub}{%
21460 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}{tocdepth}}{%
21461 \expandafter\edef\csname #1tocdepth\endcsname{%
21462 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}{tocdepth}}+\@ne\relax
21463 }%
21464 }%
21465 }{}%
21466 }-{}%

```



```

21467 \@ifundefined{#1tocdepth}{%
21468   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
21469     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
21470       \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
21471         \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
21472           \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
21473             \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
21474               \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
21475                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
21476                   \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
21477                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
21478                     \csname #1numdepth\endcsname
21479                   }%
21480                 }%
21481               }%
21482             }%
21483           }%
21484         }%
21485       }%
21486     }%
21487   }%
21488 }{}%
21489 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
21490   \@ifundefined{scr@#1@tocindent}{%
21491     \Ifstrstart{#1}{sub}{%
21492       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
21493         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
21494         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
21495           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
21496         \relax
21497       }%
21498     }%
21499   }{%
21500     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
21501       \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
21502         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
21503       \relax
21504     }%
21505   }{%
21506     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
21507       \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
21508       +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
21509     \relax
21510   }%
21511 }%
21512 }%
21513 }{}%
21514 }{%
21515   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
21516 }%
21517 }{}%
21518 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
21519   \Ifstrstart{#1}{sub}{%
21520     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%

```



```

21521         \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
21522     }{%
21523         \expandafter\let
21524         \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
21525         \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
21526     }%
21527 }{%
21528     \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
21529 }%
21530 }{}%
21531 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
21532     \Ifstrstart{#1}{sub}{%
21533         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
21534             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
21535         }{%
21536             \expandafter\let
21537             \csname scr@tso@#1@rightindent\expandafter\endcsname
21538             \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
21539         }%
21540     }{%
21541         \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
21542     }%
21543 }{}%
21544 \@ifundefined{scr@tso@#1@indent}{%
21545     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21546         \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21547             \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
21548                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
21549                     \scr@ifundefinedorrelax{l@chapter}{%
21550                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
21551                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21552                                 \Ifstr{#1}{subsubsection}{%
21553                                     \@namedef{scr@tso@#1@indent}{3.8em}%
21554                                 }{%
21555                                     \Ifstr{#1}{paragraph}{%
21556                                         \@namedef{scr@tso@#1@indent}{7em}%
21557                                     }{%
21558                                         \Ifstr{#1}{subparagraph}{%
21559                                             \@namedef{scr@tso@#1@indent}{10em}%
21560                                         }{%
21561                                             }%
21562                                         }%
21563                                     }%
21564                                 }%
21565                             }%
21566                         }{%
21567                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21568                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
21569                                     \Ifstr{#1}{subsubsection}{%
21570                                         \@namedef{scr@tso@#1@indent}{7.0em}%
21571                                     }{%
21572                                         \Ifstr{#1}{paragraph}{%
21573                                             \@namedef{scr@tso@#1@indent}{10em}%
21574                                         }{%

```



```

21575         \Ifstr{#1}{subparagraph}{%
21576             \namedef{scr@tso@#1@indent}{12em}%
21577         }{%
21578         }%
21579     }%
21580 }%
21581 }%
21582 }%
21583 }%
21584 }%
21585 }%
21586 }%
21587 }%
21588 }{}%
21589 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
21590     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
21591         \Ifstrstart{#1}{sub}{%
21592             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}{%
21593                 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
21594                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
21595                     +.9em%
21596                 }%
21597             }%
21598         }%
21599     }{}%
21600 }{%
21601     \namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
21602 }%
21603 }{}%
21604 \@ifundefined{scr@tso@#1@numwidth}{%
21605     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21606     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21607     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
21608     \scr@ifundefinedorrelax{chapter}{%
21609         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
21610         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21611         \Ifstr{#1}{subsubsection}{%
21612             \@namedef{scr@tso@#1@numwidth}{3.2em}%
21613         }{%
21614             \Ifstr{#1}{paragraph}{%
21615                 \@namedef{scr@tso@#1@numwidth}{4.1em}%
21616             }{%
21617                 \Ifstr{#1}{subparagraph}{%
21618                     \@namedef{scr@tso@#1@numwidth}{5m}%
21619                 }{%
21620                 }%
21621             }%
21622         }%
21623     }%
21624 }%
21625 }{}%
21626 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21627 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
21628 \Ifstr{#1}{subsubsection}{%

```



```

21629         \@namedef{scr@tso@#1@numwidth}{3.1em}%
21630     }{%
21631         \Ifstr{#1}{paragraph}{%
21632             \@namedef{scr@tso@#1@numwidth}{5em}%
21633         }{%
21634             \Ifstr{#1}{subparagraph}{%
21635                 \@namedef{scr@tso@#1@numwidth}{6em}%
21636             }{%
21637                 }%
21638             }%
21639         }%
21640     }%
21641 }%
21642 }%
21643 }%
21644 }%
21645 }%
21646 }{%
21647 \expandafter\renewcommand%
21648 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
21649 \expandafter\renewcommand%
21650 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
21651 \expandafter\renewcommand%
21652 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
21653 \@ifundefined{scr@tso@#1@beforeskip}{%
21654     \Ifstr{#1}{part}{%
21655         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@ \relax}%
21656     }{%
21657         \Ifstr{#1}{chapter}{%
21658             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
21659         }{%
21660             \Ifstr{#1}{section}{%
21661                 \scr@ifundefinedorrelax{1@chapter}{%
21662                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
21663                 }{}%
21664             }{}%
21665         }%
21666     }%
21667 \expandafter\renewcommand\expandafter*%
21668 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@ \relax}%
21669 }{%
21670 \@ifundefined{scr@dte@#1@maxnumwidth}{%
21671     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
21672     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
21673 }{%
21674 \renewcommand*{\scr@dte@donumwidth}{%
21675     \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
21676 \expandafter\renewcommand\expandafter*%
21677 \csname scr@tso@#1@numsep\endcsname{.4em}%
21678 \expandafter\renewcommand%
21679 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
21680 \Ifstr{#1}{part}{%
21681     \expandafter\providecommand%
21682     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%

```



```

21683 }{%
21684   \Ifstr{#1}{chapter}{%
21685     \expandafter\providecommand%
21686     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
21687   }{%
21688     \scr@ifundefinedorrelax{1@chapter}{%
21689       \Ifstr{#1}{section}{%
21690         \expandafter\providecommand%
21691         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
21692       }{%
21693         }{%
21694           \expandafter\providecommand%
21695           \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
21696         }%
21697       }%
21698     \expandafter\renewcommand
21699     \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
21700     \@ifundefined{scr@tso@#1@linefill}{%
21701       \Ifstr{#1}{part}{%
21702         \@namedef{scr@tso@#1@linefill}{\hfill}%
21703       }{%
21704         \Ifstr{#1}{chapter}{%
21705           \@namedef{scr@tso@#1@linefill}{\hfill}%
21706         }{%
21707           \scr@ifundefinedorrelax{1@chapter}{%
21708             \Ifstr{#1}{section}{%
21709               \@namedef{scr@tso@#1@linefill}{\hfill}%
21710             }{%
21711               }{%
21712                 \expandafter\renewcommand%
21713                 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
21714               }%
21715             }%
21716           }{%
21717             \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
21718             \Ifstr{#1}{part}{%
21719               \expandafter\providecommand%
21720               \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
21721             }{%
21722               \Ifstr{#1}{chapter}{%
21723                 \expandafter\providecommand%
21724                 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
21725               }{%
21726                 \scr@ifundefinedorrelax{1@chapter}{%
21727                   \Ifstr{#1}{section}{%
21728                     \expandafter\providecommand%
21729                     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
21730                   }{%
21731                     }{%
21732                       \expandafter\providecommand%
21733                       \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21734                         {\normalfont\normalcolor ##1}}%
21735                     }%
21736                   }%

```



```

21737 \expandafter\renewcommand%
21738 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
21739   \hb@xt@{\nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%
21740 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
21741 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
21742 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
21743   \Ifstrstart{#1}{sub}{%
21744     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
21745       \scr@dte@nosub{#1}%
21746     }%
21747   }{%
21748     \expandafter\let\csname scr@tso@#1@indentfollows\endcsname@empty
21749   }%
21750 }{}%
21751 }]{%
21752   \scr@dte@tocline{#1}{##1}{##2}%
21753 }
21754
21755 \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
21756   {\normalfont\normalcolor #1}%
21757 }
21758
21759 \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
21760   {\normalfont\normalcolor #1}%
21761 }
21762

```

137 File tocstyle-xetex-bidi.def

```

21763 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
21764 \renewcommand*{\tocstyle@dottedtocline}[5]{%
21765   \let\numberline\tocstyle@numberline
21766   \ifnum #1>\c@tocdepth \else
21767     \if@tocstyle@penalties
21768       \begingroup
21769         \@tempcnta 20010
21770         \advance \@tempcnta by -#1
21771         \ifnum \@tempcnta>\lastpenalty
21772           \aftergroup\penalty\aftergroup\@lowpenalty
21773         \fi
21774       \endgroup
21775     \fi
21776     \edef\tocstyledepth{#1}%
21777     \tocstyle@activate@features
21778     \ifx\tocstyle@feature@entryvskip\relax
21779       \vskip \z@ \@plus.2\p@
21780     \else
21781       \addvspace{\tocstyle@feature@entryvskip}%
21782     \fi
21783   {%
21784     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
21785     \tocstyle@feature@raggedhook
21786     \@tempdima #3\relax
21787     \@tempdimb #2\relax

```



```

21788 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
21789 \ifnum #1>\z@\relax
21790 \@tempcnta #1\relax \advance\@tempcnta \m@ne
21791 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
21792 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
21793 \@tempdimb
21794 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
21795 \advance\@tempdimb
21796 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
21797 \fi
21798 \fi
21799 \fi
21800 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
21801 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
21802 \ifdim \@tempdimb>
21803 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
21804 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
21805 @#1\endcsname{\the\@tempdimb}%
21806 \fi
21807 \else
21808 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
21809 @#1\endcsname{\the\@tempdimb}%
21810 \fi
21811 \iftocstyle@autolength
21812 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
21813 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
21814 \relax
21815 \fi
21816 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
21817 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
21818 \relax
21819 \fi
21820 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
21821 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
21822 \else
21823 \@tempdimb #2\relax
21824 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
21825 \fi
21826 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
21827 \ifdim \@tempdima>
21828 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
21829 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
21830 @\endcsname{\the\@tempdima}%
21831 \fi
21832 \else
21833 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
21834 @\endcsname{\the\@tempdima}%
21835 \fi
21836 \ifcase\tocstyle@indentstyle\relax\else
21837 \@tempdimb \z@
21838 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
21839 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
21840 \relax
21841 \fi

```




```

21842 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
21843 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
21844 \fi
21845 \advance\parindent \@tempdimb\@afterindenttrue
21846 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
21847 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21848 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21849 \ifx\tocstyle@feature@parfillskip\relax\else
21850 \advance\parfillskip \tocstyle@feature@parfillskip\relax
21851 \fi
21852 \interlinepenalty\@M
21853 \leavevmode
21854 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
21855 \null\nobreak
21856 \iftocstyle@indentnotnumbered\else
21857 \hskip -\if@RTL\rightskip\else\leftskip\fi
21858 \fi
21859 \tocstyle@feature@entryhook
21860 {#4}\nobreak
21861 \ifx\tocstyle@feature@leaders\relax
21862 \leaders\hbox{$\m@th
21863 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
21864 \mkern \@dotsep mu$}\hfill
21865 \else
21866 \tocstyle@feature@leaders
21867 \fi
21868 \nobreak
21869 \ifx\tocstyle@feature@pagenumberbox\relax
21870 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
21871 \else
21872 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
21873 \fi
21874 \par
21875 }%
21876 \if@tocstyle@penalties
21877 \bgroup
21878 \@tempcnta 20009
21879 \advance\@tempcnta by -#1
21880 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
21881 \reserved@a
21882 \fi
21883 \fi}
21884 \renewcommand*{\tocstyle@numberline}[1]{%
21885 \beginingroup
21886 \ifx\tocstyle@feature@spaceafternumber\relax
21887 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
21888 \else
21889 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
21890 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
21891 \fi
21892 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
21893 \ifdim \@tempdima >
21894 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
21895 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC

```



```

21896      @\tocstyledepth\endcsname{\the\@tempdima}%
21897      \fi
21898      \else
21899        \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
21900          @\tocstyledepth\endcsname{\the\@tempdima}%
21901        \fi
21902      \endgroup
21903      \iftocstyle@indentnotnumbered
21904        \hskip -\if@RTL\rightskip\else\leftskip\fi
21905      \fi
21906      \ifcase \tocstyle@indentstyle
21907        \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
21908      \or
21909        \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
21910      \else
21911        \ifx\tocstyle@feature@spaceafternumber\relax
21912          \hbox{\tocstyle@@numberline{#1}\enskip}%
21913        \else
21914          \hbox{\tocstyle@@numberline{#1}\hskip
21915            \tocstyle@feature@spaceafternumber\relax}%
21916        \fi
21917      \fi
21918    }
21919    \AtBeginDocument{%
21920      \ifcsname l@part\endcsname
21921        \ifcsname l@chapter\endcsname
21922          \setbox\@tempboxa\vbox{\hsize\maxdimen
21923            \l@part{\tocstyle@l@define{part}{-1}}{}}%
21924        \else
21925          \setbox\@tempboxa\vbox{\hsize\maxdimen
21926            \l@part{\tocstyle@l@define{part}{0}}{}}%
21927        \fi
21928      \fi
21929      \ifcsname l@chapter\endcsname
21930        \setbox\@tempboxa\vbox{\hsize\maxdimen
21931          \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
21932      \fi
21933      \ifcsname l@section\endcsname
21934        \setbox\@tempboxa\vbox{\hsize\maxdimen
21935          \l@section{\tocstyle@l@define{section}{1}}{}}%
21936      \fi
21937      \ifcsname l@subsection\endcsname
21938        \setbox\@tempboxa\vbox{\hsize\maxdimen
21939          \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
21940      \fi
21941      \ifcsname l@subsubsection\endcsname
21942        \setbox\@tempboxa\vbox{\hsize\maxdimen
21943          \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
21944      \fi
21945      \ifcsname l@paragraph\endcsname
21946        \setbox\@tempboxa\vbox{\hsize\maxdimen
21947          \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
21948      \fi
21949      \ifcsname l@subparagraph\endcsname

```



```

21950 \setbox\@tempboxa\vbox{\hsize\maxdimen
21951 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
21952 \fi
21953 \ifcsname l@table\endcsname
21954 \setbox\@tempboxa\vbox{\hsize\maxdimen
21955 \l@table{\tocstyle@l@define{table}{1}}{}}%
21956 \fi
21957 \ifcsname l@figure\endcsname
21958 \setbox\@tempboxa\vbox{\hsize\maxdimen
21959 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
21960 \fi
21961 \def\@tempa#1#2#3#4#5{%
21962 \ifnum #1>\c@tocdepth \else
21963 \vskip \z@ \@plus.2\p@
21964 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@toc
21965 \parindent #2\relax\@afterindenttrue
21966 \interlinepenalty\@M
21967 \leavevmode
21968 \@tempdima #3\relax
21969 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
21970 {#4}\nobreak
21971 \leaders\hbox{$\m@th
21972 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
21973 mu$}\hfill
21974 \nobreak
21975 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
21976 \par}%
21977 \fi}%
21978 \ifx\@dottedtocline\@tempa\else
21979 \tocstyle@macrochangewarning\@dottedtocline
21980 \fi
21981 \let\tocstyle@saved@dottedtocline\@dottedtocline
21982 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
21983 \ifx\numberline\@tempa\else
21984 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
21985 \ifx\numberline\@tempa\else
21986 \tocstyle@macrochangewarning\numberline
21987 \fi
21988 \fi
21989 \let\tocstyle@saved@numberline\numberline
21990 }
21991 \renewcommand*{\tocstyle@l@define}[2]{%
21992 \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
21993 \edef\@tempa{%
21994 \noexpand\global\noexpand\let
21995 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
21996 \expandafter\noexpand\csname l@#1\endcsname
21997 \noexpand\gdef
21998 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
21999 \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}%
22000 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
22001 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
22002 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
22003 }%

```



```

22004 }%
22005 \PackageInfo{tocstyle}{prepare \expandafter\string
22006 \csname l@#1\endcsname\space for redefinition}%
22007 \@tempa
22008 }

```

138 File todonotes-xetex-bidi.def

```

22009 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
22010 \newif\if@bidi@todonotes@textdirection@RTL
22011 \newif\if@bidi@todonotes@figposition@right
22012 \newcommand{\@bidi@todonotes@align}{}%
22013 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
22014 \newcommand{\@bidi@todonotes@textdirection}{}%
22015 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
22016 \ifcase\@bidi@todonotes@tempb\relax
22017 \@bidi@todonotes@textdirection@RTLtrue
22018 \let\@bidi@todonotes@textdirection\RLE
22019 \or
22020 \@bidi@todonotes@textdirection@RTLfalse
22021 \let\@bidi@todonotes@textdirection\LRE
22022 \fi}
22023 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
22024 \ifcase\@bidi@todonotes@tempb\relax
22025 \@bidi@todonotes@figposition@righttrue
22026 \or
22027 \@bidi@todonotes@figposition@rightfalse
22028 \fi}
22029 \if@todonotes@disabled%
22030 \else % \if@todonotes@disabled
22031 \renewcommand{\@todonotes@drawInlineNote}{%
22032 \if@todonotes@dviStyle%
22033 {\par\noindent\begin{tikzpicture}[remember picture]%
22034 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
22035 \if@todonotes@authorgiven%
22036 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
22037 \else%
22038 {\noindent \@todonotes@sizecommand \@todonotes@text}%
22039 \fi
22040 {\par\noindent\begin{tikzpicture}[remember picture]%
22041 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
22042 \else%
22043 {\par\noindent\begin{tikzpicture}[remember picture]%
22044 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
22045 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@a
22046 \if@todonotes@authorgiven%
22047 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
22048 \else%
22049 {\noindent \@todonotes@sizecommand \@todonotes@text}%
22050 \fi};%
22051 \end{tikzpicture}\par}%
22052 \fi}%
22053 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
22054 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%

```



```

22055 \node [coordinate] (inText) {};%
22056 \end{tikzpicture}%
22057 \marginpar[{}% Draw note in left margin
22058 \@todonotes@drawMarginNote%
22059 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
22060 ]{}% Draw note in right margin
22061 \@todonotes@drawMarginNote%
22062 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
22063 }%
22064 }%
22065 \renewcommand{\@todonotes@drawMarginNote}{%
22066 \if@todonotes@dviStyle%
22067 \begin{tikzpicture}[remember picture]%
22068 \draw node[notestyle] {};%
22069 \end{tikzpicture}\\%
22070 \begin{minipage}{\@todonotes@textwidth}%
22071 \if@todonotes@authorgiven%
22072 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
22073 \else%
22074 \@todonotes@sizecommand \@todonotes@text%
22075 \fi%
22076 \end{minipage}\\%
22077 \begin{tikzpicture}[remember picture]%
22078 \draw node[notestyle] (inNote) {};%
22079 \end{tikzpicture}%
22080 \else%
22081 \let\originalHbadness\hbadness%
22082 \hbadness 100000%
22083 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
22084 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
22085 \node(X){\vphantom{X}};%
22086 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22087 \if@todonotes@authorgiven%
22088 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand\@todonotes@author};%
22089 \node(Y)[below=of X]{};%
22090 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22091 \else%
22092 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22093 \fi%
22094 \end{tikzpicture}%
22095 \hbadness \originalHbadness%
22096 \fi}%
22097 \renewcommand{\missingfigure}[2]{}%
22098 \setkeys{todonotes}{#1}%
22099 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
22100 \par
22101 \noindent
22102 \begin{tikzpicture}
22103 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
22104 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);

```



```

22109 \if@bidi@todonotes@figposition@right%
22110 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
22111 \fi%
22112 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
22113   (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
22114 \if@bidi@todonotes@figposition@right%
22115 \end{scope}
22116 \begin{scope}[xshift=-3.8cm]
22117 \fi%
22118 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
22119 \draw (2, -0.3) node[right, text
22120   width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
22121 \if@bidi@todonotes@figposition@right%
22122 \end{scope}
22123 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
22124 \fi%
22125 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
22126 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
22127 \if@bidi@todonotes@figposition@right%
22128 \end{scope}
22129 \fi%
22130 \end{tikzpicture}\hfill
22131 }% Ending \missingfigure command
22132 \fi % Ending \@todonotes@ifdisabled
22133 \presetkeys%
22134   {todonotes}%
22135   {align=left,%
22136     textdirection=lefttoright,%
22137     figposition=left}{}%

```

139 File wrapfig-xetex-bidi.def

```

22138 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
22139 \let\WF@everypar\@everypar
22140 \def\WF@putfigmaybe{%
22141 \ifinner
22142   \vskip-\parskip \global\WF@floatfalse
22143   \let\pagetotal\maxdimen % kludge flag for "not top of page"
22144 \else % outer page
22145   \@tempdima\pagedepth % save page depth
22146   {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
22147   \penalty\interlinepenalty % update pg. parameters
22148   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
22149   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
22150     \global\WF@floatfalse
22151     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
22152   \else
22153     \ifdim\WF@size>\@tempdimb
22154       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
22155       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
22156       \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
22157       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
22158       \advance\dimen@.5\baselineskip
22159       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%

```



```

22160         \global\WF@floatfalse \pagebreak
22161     \fi
22162     \else % \WF@info{Fits in \the\@tempdimb;}%
22163         \global\WF@floatfalse
22164     \fi\fi
22165     \vskip\@tempdima\relax % (return erased page depth)
22166 \fi
22167 \noindent
22168 \ifWF@float
22169     \WF@fltnes
22170 \else % putting here;
22171     \WF@info{Put \WF@wfname here:}%
22172     {\ifodd\if@twoside\c@page\else\@one\fi % assign l/r to i/o placement
22173     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
22174     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
22175     \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
22176     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
22177     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
22178     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
22179     \xdef\WF@adjlw{\the\@tempdima}%
22180     \ifnum `l=\WF@place % fig on left
22181         \if@RTL%
22182             \kern\@tempdimb \kern\columnsep
22183             \def\@tempa{\hss}% position to left of the gap
22184         \else%
22185             \hss % figure overlaps space to the left
22186             \def\@tempa{\kern\columnsep}% position to left of the gap
22187         \fi%
22188     \else % fig on right
22189         \if@RTL%
22190             \hss
22191             \@tempdima\z@
22192             \def\@tempa{\kern\columnsep}
22193         \else%
22194             \@tempdima\z@ % no left indentation
22195             \kern\@tempdimb \kern\columnsep
22196             \def\@tempa{\hss}% figure overlaps space to the right
22197         \fi%
22198     \fi
22199     \ifdim\@tempdimb<\hsize
22200         \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
22201         \xdef\WF@adjtlm{\the\@tempdima}%
22202     \else
22203         \xdef\WF@wrapil{\z@ \the\hsize}%
22204         \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
22205     \fi
22206     \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
22207         \global\advance\WF@size-\intextsep
22208     \else % \WF@info{Putting \WF@wfname in middle of page}%
22209         \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
22210         \fi \dp\WF@box\z@ \box\WF@box \@tempa
22211     }% end \hbox to Opt
22212     \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
22213 \fi}

```



140 File xcolor-xetex-bidi.def

```

22214 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for
22215 \long\def\color@b@x#1#2#3%
22216 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
22217 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
22218 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
22219 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
22220 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
22221 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
22222 \DeclareRobustCommand\color
22223 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
22224 \def\@undeclaredcolor[#1]#2%
22225 {\begingroup
22226 \let\@c@ls\@empty
22227 \XC@getmodclr12{#1}{#2}{}}%
22228 {\ifblendcolors
22229 \ifx\colorblend\@empty\else
22230 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
22231 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
22232 \fi
22233 \fi
22234 \ifconvertcolorsU
22235 \edef\@tmp{\XC@tgt@mod{\@mod}}%
22236 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
22237 \fi
22238 \ifmaskcolors
22239 \convertcolorspec\@mod\@clr\XC@mmod\@clr
22240 \let\@mod\XC@mmod
22241 \XC@inflate\@mod\XC@mclr\@clr\@tmp
22242 \expandafter\XC@mul\@tmp,\@clr
22243 \fi
22244 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
22245 \expandafter\endgroup\@tmp}}
22246 \def\@declaredcolor#1%
22247 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
22248 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
22249 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
22250 \ifconvertcolorsU\XC@@tsttrue\fi
22251 \fi
22252 \ifXC@@tst
22253 \expandafter\XC@declaredcolor\else
22254 \expandafter\XC@declaredc@lor\fi}
22255 \def\XC@undeclaredcolor#1#2%
22256 {\@ifundefinedmodel{#1}%
22257 {\c@lor@error{model `#1'}}%
22258 {\@nameuse{color@#1}\current@color{#2}}%
22259 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
22260 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
22261 \def\XC@declaredc@lor
22262 {\XC@let@Nc\XC@current@color{\string\color@\XC@@tmp}%
22263 \edef\current@color{\XC@current@color}%
22264 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
22265 \DeclareRobustCommand\bidicolor

```




```

22266 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
22267 \def\@bidiundeclaredcolor[#1]#2%
22268 {\begingroup
22269 \let\@@cls\@empty
22270 \XC@getmodclr12{#1}{#2}{}%
22271 {\ifblendcolors
22272 \ifx\colorblend\@empty\else
22273 \edef\@@mix{\expandafter\@gobble\colorblend}\@tempswafalse
22274 \XC@coremodel\@mod\@@clr\@xcolor@{}}\@mod\@@clr
22275 \fi
22276 \fi
22277 \ifconvertcolorsU
22278 \edef\@@tmp{\XC@tgt@mod{\@mod}}%
22279 \convertcolorspec\@mod\@@clr\@@tmp\@@clr \let\@mod\@@tmp
22280 \fi
22281 \ifmaskcolors
22282 \convertcolorspec\@mod\@@clr\XC@mmod\@@clr
22283 \let\@mod\XC@mmod
22284 \XC@inflate\@mod\XC@mclr\@@clr\@@tmp
22285 \expandafter\XC@mul\@@tmp,\@@clr
22286 \fi
22287 \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@@clr}}%
22288 \expandafter\endgroup\@@tmp}}
22289 \def\XC@bidiundeclaredcolor#1#2%
22290 {\@ifundefinedmodel{#1}%
22291 {\color@error{model `#1'}}%
22292 {\@nameuse{color@#1}\current@color{#2}}%
22293 \edef\XC@current@color{\noexpand\xcolor@{}}{\current@color}{#1}{#2}}%
22294 \XC@display}}
22295 \def\@bidideclaredcolor#1%
22296 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
22297 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
22298 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
22299 \ifconvertcolorsU\XC@@tsttrue\fi
22300 \fi
22301 \ifXC@@tst
22302 \expandafter\XC@bidideclaredcolor\else
22303 \expandafter\XC@bidideclaredcolor\fi}
22304 \def\XC@bidideclaredcolor
22305 {\XC@split\XC@@tmp
22306 \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@@clr}}%
22307 \expandafter\endgroup\@@tmp}
22308 \def\XC@bidideclaredcolor
22309 {\XC@let\Nc\XC@current@color{\string\color@\XC@@tmp}%
22310 \edef\current@color{\XC@current@color}%
22311 \XC@display}
22312 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
22313 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
22314 \def\color@fbbox#1#2#3#4%
22315 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
22316 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
22317 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```



141 File latex-xetex-bidi.def

```
22318 \ProvidesFile{latex-xetex-bidi.def}[2022/06/01 v1.4.2 bidi adaptations for `latex.ltx' for
22319 \newcommand{\TeXXeTOn}{\TeXXeTstate@ne}
22320 \newcommand{\TeXXeTOff}{\TeXXeTstate@z@}
22321 \TeXXeTOn
22322 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebo
22323 \let\bidi@o@everypar=\everypar
22324 \newtoks\bidi@n@everypar
22325 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
22326 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
22327 \let\everypar=\bidi@n@everypar
22328 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
22329 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
22330 \protected\def\hboxR{\hbox\bgroup
22331 \everyhbox{%
22332 \aftergroup\egroup
22333 \everyhbox{}}%
22334 \beginR
22335 \@hboxRconstructtrue
22336 \bgroup
22337 \aftergroup\endR
22338 \aftergroup\egroup
22339 }\hbox}
22340 \protected\def\hboxL{\hbox\bgroup
22341 \everyhbox{%
22342 \aftergroup\egroup
22343 \everyhbox{}}%
22344 \beginL
22345 \@hboxRconstructfalse
22346 \bgroup
22347 \aftergroup\endL
22348 \aftergroup\egroup
22349 }\hbox}
22350 \protected\def\vboxR{\vbox\bgroup
22351 \everyvbox{%
22352 \aftergroup\egroup
22353 \everyvbox{}}%
22354 \@RTLtrue
22355 \@RTLtabtrue
22356 \bgroup
22357 \aftergroup\egroup
22358 }\vbox}
22359 \protected\def\vboxL{\vbox\bgroup
22360 \everyvbox{%
22361 \aftergroup\egroup
22362 \everyvbox{}}%
22363 \@RTLfalse
22364 \@RTLtabfalse
22365 \bgroup
22366 \aftergroup\egroup
22367 }\vbox}
22368 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
22369 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
```



```

22370 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse\hsize\linewidth\parshape\z@\bidi@beamer}
22371 \def\endLTR{\par}
22372 \newenvironment{LTR*}{\LTR
22373   \everypar{%
22374     {\setbox\z@\lastbox
22375       \ifvoid\z@
22376         \kern-\parindent
22377       \fi}%
22378   }%
22379 }{\endLTR\@endpetrue}
22380 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\hsize\linewidth\parshape\z@\bidi@beamer}
22381 \def\endRTL{\par}
22382 \newenvironment{RTL*}{\RTL
22383   \everypar{%
22384     {\setbox\z@\lastbox
22385       \ifvoid\z@
22386         \kern-\parindent
22387       \fi}%
22388   }%
22389 }{\endRTL\@endpetrue}
22390 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\bidi@beamer@ragged}
22391 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse\bidi@beamer@ragged}
22392 \let\unsetRTL=\setLTR
22393 \let\unsetLTR=\setRTL
22394 \let\LR=\LRE
22395 \let\RL=\RLE
22396 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
22397 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
22398 \let\@ensure@RL=\@ensure@RTL
22399 \let\@ensure@LR=\@ensure@LTR
22400 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
22401 \let\@ensure@maindir=\@ensure@dir
22402 \def\@RTL{RTL}
22403 \def\@LTR{LTR}
22404 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
22405 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
22406 \let\@TeX\TeX
22407 \def\TeX{\@ensure@LTR{\@TeX}}
22408 \let\@LaTeX\LaTeX
22409 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
22410 \let\@LaTeXe\LaTeXe
22411 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
22412 \long\def\bidi@reflect@box#1{%
22413   \leavevmode
22414   \setbox\z@\hbox{#1}%
22415   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
22416   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
22417 }
22418 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
22419   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
22420 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
22421   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
22422 \let\setRL=\setRTL
22423 \let\setLR=\setLTR

```



```

22424 \let\unsetRL=\setLTR
22425 \def\ bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
22426 \@ifpackageloaded{array}{%
22427 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
22428 \leavevmode
22429 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
22430 \let\dollarend\endgroup
22431 \@tabarray}
22432 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
22433 }{%
22434 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
22435 \leavevmode \hbox \bgroup
22436 $\left.\let\@acol\@tabacol
22437 \let\@classz\@tabclassz
22438 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
22439
22440 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
22441 \egroup\right\rbrace $\egroup}}
22442 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
22443 \ialign{##\hfil$\quad{##}\hfil\crr#1\crr}}\,,\right\}}
22444 \renewenvironment{RTLcases}{%
22445 \bidi@matrix@check\RTLcases\env@RTLcases
22446 }{%
22447 \endbidi@tabular@RTLcases%
22448 }
22449 \def\env@RTLcases{%
22450 \let\@ifnextchar\bidi@new@ifnextchar
22451 \def\arraystretch{1.2}%
22452 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
22453 }
22454 \def\SepMark#1{\gdef\@SepMark{#1}}
22455 \SepMark{.}
22456 \def\@thmcountersep{\@SepMark}
22457 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
22458 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
22459 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
22460 \newcommand*{\bidi@thebibliography@font@hook}{ }
22461 \def\list#1#2{%
22462 \ifnum \@listdepth >5\relax
22463 \toodeep
22464 \else
22465 \global\advance\@listdepth\@ne
22466 \fi
22467 \rightmargin\z@
22468 \listparindent\z@
22469 \itemindent\z@
22470 \csname @list\romannumeral\the\@listdepth\endcsname
22471 \def\@itemlabel{#1}%
22472 \let\makelabel\@mklab
22473 \@nmbrlistfalse
22474 #2\relax
22475 \@trivlist
22476 \parskip\parsep
22477 \parindent\listparindent

```



```

22478 \advance\linewidth -\rightmargin
22479 \advance\linewidth -\leftmargin
22480 \if@bidi@list@minipage@parbox
22481 \if@RTL
22482 \advance\@totalleftmargin \leftmargin
22483 \else
22484 \advance\@totalleftmargin \rightmargin
22485 \fi
22486 \else
22487 \if@hboxRconstruct
22488 \if@bidi@list@minipage@parbox@not@nob
22489 \if@RTL
22490 \advance\@totalleftmargin \rightmargin
22491 \else
22492 \advance\@totalleftmargin \leftmargin
22493 \fi
22494 \else
22495 \if@RTL
22496 \advance\@totalleftmargin \leftmargin
22497 \else
22498 \advance\@totalleftmargin \rightmargin
22499 \fi\fi
22500 \else
22501 \if@RTL
22502 \advance\@totalleftmargin \rightmargin
22503 \else
22504 \advance\@totalleftmargin \leftmargin
22505 \fi\fi\fi
22506 \parshape \@ne \@totalleftmargin \linewidth
22507 \ignorespaces}
22508 \long\def\@iiiparbox#1#2[#3]#4#5{%
22509 \leavevmode
22510 \@pboxswfalse
22511 \if@hboxRconstruct
22512 \@bidi@list@minipage@parbox@not@nobtrue
22513 \fi
22514 \if@RTL
22515 \ifx#1t%
22516 \@bidi@list@minipage@parboxtrue
22517 \else
22518 \ifx#1b%
22519 \@bidi@list@minipage@parboxtrue
22520 \fi
22521 \fi
22522 \fi
22523 \setlength\@tempdima{#4}%
22524 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
22525 \ifx\relax#2\else
22526 \setlength\@tempdimb{#2}%
22527 \edef\@parboxto{to\the\@tempdimb}%
22528 \fi
22529 \if#1b\vbox
22530 \else\if #1t\top
22531 \else\ifmmode\center

```



```

22532 \else\@pboxswtrue $\vcenter
22533 \fi\fi\fi
22534 \@parboxto{\let\hss\vss\let\unhbox\unvbox
22535 \csname bm@#3\endcsname}%
22536 \if@pboxsw \m@th$\fi
22537 \@end@tempboxa}
22538 \newenvironment{LTRitems}
22539 {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
22540 \if@bidi@list@minipage@parbox
22541 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
22542 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
22543 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
22544 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
22545 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
22546 \ignorespaces}{\vskip\z@}
22547 \newenvironment{RTLitems}
22548 {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
22549 \if@bidi@list@minipage@parbox
22550 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
22551 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
22552 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
22553 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
22554 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
22555 \ignorespaces}{\vskip\z@}
22556 \newenvironment{LTRbibitems}
22557 {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
22558 \if@bidi@list@minipage@parbox
22559 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
22560 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
22561 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
22562 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
22563 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
22564 \ignorespaces}{\vskip\z@}
22565 \newenvironment{RTLbibitems}
22566 {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
22567 \if@bidi@list@minipage@parbox
22568 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
22569 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
22570 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
22571 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
22572 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
22573 \ignorespaces}{\vskip\z@}
22574 \def\raggedright{%
22575 \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
22576 \leftskip\z@skip
22577 \parindent\z@\parfillskip\z@skip}
22578 \let\@bidi@orig@raggedleft\raggedleft
22579 \let\@bidi@orig@raggedright\raggedright
22580 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRconstruct\@bidi@orig@raggedleft\else\@bidi@orig@raggedright\fi}
22581 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRconstruct\@bidi@orig@raggedright\else\@bidi@orig@raggedleft\fi}
22582 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
22583 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
22584 \def\centerline#1{%
22585 \if@RTL\@@line{\hss\beginR#1\endR\hss}

```



```

22586 \else\@@line{\hss#1\hss}\fi}
22587 \def\leftline#1{%
22588 \if@RTL\@@line{\beginR#1\endR\hss}
22589 \else\@@line{#1\hss}\fi}
22590 \def\rightline#1{%
22591 \if@RTL\@@line{\hss\beginR#1\endR}
22592 \else\@@line{\hss#1}\fi}
22593 \let\bidiorig@leftline\leftline
22594 \let\bidiorig@rightline\rightline
22595 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\
22596 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
22597 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
22598 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
22599 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
22600 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
22601 \def\narrower{%
22602 \advance\if@RTL\rightright\else\leftskip\fi\parindent
22603 \advance\if@RTL\leftskip\else\rightright\fi\parindent}
22604 \def\underline#1{%
22605 \relax
22606 \ifmmode\@@underline{#1}%
22607 \else
22608 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
22609 \else
22610 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
22611 \ifcompatibility
22612 \let\underline=\underline
22613 \fi
22614 \def\@tabular{%
22615 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
22616 $\let\@acol\@tabacol
22617 \let\@classz\@tabclassz
22618 \let\@classiv\@tabclassiv \let\\\@tabularrcr\@tabarray}
22619 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
22620 \egroup $\if@RTLtab\endR\fi\egroup}
22621 \expandafter \let \csname endtabular*\endcsname = \endtabular
22622 \def\@array[#1]#2{%
22623 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
22624 \bgroup
22625 \setbox\@arstrutbox\hbox{%
22626 \vrule \@height\arraystretch\ht\strutbox
22627 \depth\arraystretch \dp\strutbox
22628 \@widthz@}%
22629 \mkpream{#2}%
22630 \edef\@preamble{%
22631 \ialign \noexpand\@halignto
22632 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
22633 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
22634 \let\@tabularnewline\\%
22635 \let\par\empty
22636 \let\@sharp##%
22637 \set@typeset@protect
22638 \lineskip\z@skip\baselineskip\z@skip
22639 \ifhmode \@preamerr\z@ \@@par\fi

```



```

22640 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
22641 \@preamble}
22642 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
22643 \let\@classiv\@arrayclassiv
22644 \let\\\@arraycr\let\@halign\@empty\@RTLtabfalse\@tabarray}
22645 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
22646 \ifnum \@lastchclass=3 5 \else
22647 \z@ \if #1c\@chnum \z@ \else
22648 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
22649 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
22650 \@chclass \if #1|\@ne \else
22651 \if #1\@tw@ \else
22652 \if #1p3 \else \z@ \@preamerr 0\fi
22653 \fi \fi \fi \fi \fi \fi
22654 \fi}
22655 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
22656 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
22657 \def\bm@t{\unhbox\@tempboxa\hss}
22658 \def\bm@b{\hss\unhbox\@tempboxa}
22659 \def\@dottedtocline#1#2#3#4#5{%
22660 \ifnum #1>\c@tocdepth \else
22661 \vskip \z@ \@plus.2\p@
22662 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
22663 \parindent #2\relax\@afterindenttrue
22664 \interlinepenalty\@M
22665 \leavevmode
22666 \@tempdima #3\relax
22667 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
22668 {#4}\nobreak
22669 \leaders\hbox{$\m@th
22670 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
22671 mu$}\hfill
22672 \nobreak
22673 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
22674 \par}%
22675 \fi}
22676
22677 \newcount\@bidi@column@check@number
22678
22679 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
22680
22681 \def\@bidi@set@column@status#1#2{%
22682 \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
22683
22684 \if@twocolumn
22685 \newcommand\DetectColumn[3][1]{%
22686 \ifx\@bidi@firstcolumn@status@write\relax
22687 \PackageError{bidi}%
22688 {Option 'DetectColumn' not selected}%
22689 {\string\DetectColumn\space
22690 requires the use of the 'DetectColumn'
22691 option on the package}%
22692 \fi
22693 \global\advance\@bidi@column@check@number\@ne

```




```

22694 \edef\bidi@column@type{\expandafter\ifx
22695         \csname bidi@column-\the\bidi@column@check@number\endcsname\relax
22696         0\else
22697         \csname bidi@column-\the\bidi@column@check@number\endcsname
22698         \fi}%
22699 \ifcase \bidi@column@type\relax
22700     \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
22701 \or
22702     #2% % 1 First column
22703 \or
22704     #3% % 2 Second (Last column)
22705 \else
22706     \ERROR
22707 \fi
22708 \edef\next{\write\@auxout
22709     {\string\bidi@set@column@status{\bidi@column-\the\bidi@column@check@number}%
22710         {\bidi@column@type}}}%
22711 \next
22712 }
22713
22714 \AtEndDocument{\def\bidi@set@column@status#1#2{%
22715     \ifnum #2=\bidi@current@column@status\else
22716     \@tempwattrue
22717     \fi}%
22718 }
22719 \fi
22720
22721 \def\RTL@outputdblcol{%
22722     \if@firstcolumn
22723     \global\@firstcolumnfalse
22724     \global\setbox\@leftcolumn\copy\@outputbox
22725     \splitmaxdepth\maxdimen
22726     \vbadness\maxdimen
22727     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
22728     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
22729     \toks@\expandafter{\topmark}%
22730     \xdef\@firstcoltopmark{\the\toks@}%
22731     \toks@\expandafter{\splitfirstmark}%
22732     \xdef\@firstcolfirstmark{\the\toks@}%
22733     \ifx\@firstcolfirstmark\@empty
22734     \global\let\@setmarks\relax
22735     \else
22736     \gdef\@setmarks{%
22737         \let\firstmark\@firstcolfirstmark
22738         \let\topmark\@firstcoltopmark}%
22739     \fi
22740     \else
22741     \global\@firstcolumntrue
22742     \setbox\@outputbox\vbox{%
22743     \hb@xt@\textwidth{%
22744         \hskip \columnwidth
22745         \hfil
22746         {\normalcolor\vrule \@width\columnseprule}%
22747         \hfil

```



```

22748      \hb@xt@\columnwidth{%
22749      \bidi@firstcolumn@status@write%
22750      \box\@leftcolumn \hss}%
22751      \hskip -\textwidth
22752      \hb@xt@\columnwidth{%
22753      \bidi@lastcolumn@status@write%
22754      \box\@outputbox \hss}%
22755      \hskip \columnsep
22756      \hskip \columnwidth }}%
22757 \@@combinedblfloats
22758 \@@setmarks
22759 \@@outputpage
22760 \begin@group
22761 \@@dblfloatplacement
22762 \@@startdblcolumn
22763 \@@whilesw\if@fcolmade \fi{\@@outputpage
22764 \@@startdblcolumn}%
22765 \end@group
22766 \fi}%
22767
22768 \def\LTR@outputdblcol{%
22769 \if@firstcolumn
22770 \global\@firstcolumnfalse
22771 \global\setbox\@leftcolumn\copy\@outputbox
22772 \splitmaxdepth\maxdimen
22773 \vbadness\maxdimen
22774 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
22775 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
22776 \toks@\expandafter{\topmark}%
22777 \xdef\@firstcoltopmark{\the\toks@}%
22778 \toks@\expandafter{\splitfirstmark}%
22779 \xdef\@firstcolfirstmark{\the\toks@}%
22780 \ifx\@firstcolfirstmark\@empty
22781 \global\let\@@setmarks\relax
22782 \else
22783 \gdef\@@setmarks{%
22784 \let\firstmark\@firstcolfirstmark
22785 \let\topmark\@firstcoltopmark}%
22786 \fi
22787 \else
22788 \global\@firstcolumntrue
22789 \setbox\@outputbox\vbox{%
22790 \hb@xt@\textwidth{%
22791 \hb@xt@\columnwidth{%
22792 \bidi@firstcolumn@status@write%
22793 \box\@leftcolumn \hss}%
22794 \hfil
22795 {\normalcolor\vrule \@width\columnseprule}%
22796 \hfil
22797 \hb@xt@\columnwidth{%
22798 \bidi@lastcolumn@status@write%
22799 \box\@outputbox \hss}}}%
22800 \@@combinedblfloats
22801 \@@setmarks

```



```

22802 \outputpage
22803 \begingroup
22804 \dblfloatplacement
22805 \startdblcolumn
22806 \whilesw@ifcolmade \fi{\outputpage
22807 \startdblcolumn}%
22808 \endgroup
22809 \fi}%
22810
22811
22812 \renewcommand{\outputdblcol}{\ifRTLmain\RTL\outputdblcol\else\LTR\outputdblcol\fi}
22813 \newcommand{\RTLdblcol}{\renewcommand{\outputdblcol}{\RTL\outputdblcol}}
22814 \newcommand{\LTRdblcol}{\renewcommand{\outputdblcol}{\LTR\outputdblcol}}
22815
22816 \bidi@patchcmd\@makecol{%
22817 \ifvoid\footins
22818 \setbox\@outputbox \box\@cclv
22819 \else
22820 \setbox\@outputbox \vbox {%
22821 \boxmaxdepth \@maxdepth
22822 \unvbox \@cclv
22823 \vskip \skip\footins
22824 \color@begingroup
22825 \normalcolor
22826 \footnoterule
22827 \unvbox \footins
22828 \color@endgroup
22829 }%
22830 \fi
22831 }{%
22832 \ifvoid\footins
22833 \ifvoid\@bidi@copyins@
22834 \setbox\@outputbox \box\@cclv
22835 \else
22836 \setbox\@outputbox \vbox {%
22837 \boxmaxdepth \@maxdepth
22838 \unvbox \@cclv
22839 \vskip \skip\@bidi@copyins@
22840 \color@begingroup
22841 \normalcolor
22842 \unvbox \@bidi@copyins@
22843 \color@endgroup
22844 }%
22845 \fi
22846 \else
22847 \setbox\@outputbox \vbox {%
22848 \boxmaxdepth \@maxdepth
22849 \unvbox \@cclv
22850 \vskip \skip\footins
22851 \color@begingroup
22852 \normalcolor
22853 \footnoterule
22854 \unvbox \footins
22855 \color@endgroup

```



```

22856      \ifvoid\@bidi@copyins@
22857      \else
22858        \vskip \skip\@bidi@copyins@
22859        \color@begingroup
22860        \normalcolor
22861        \unvbox \@bidi@copyins@
22862        \color@endgroup
22863      \fi
22864    }%
22865  \fi
22866 }{}{}
22867
22868 \def\LTRmarginpar{%
22869   \ifhmode
22870     \@bsphack
22871     \@floatpenalty -\@Mii
22872   \else
22873     \@floatpenalty-\@Miii
22874   \fi
22875   \ifinner
22876     \@parmoderr
22877     \@floatpenalty\z@
22878   \else
22879     \@next\@currbox\@freelist{}{}%
22880     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
22881     {\@floatpenalty\z@
22882      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
22883   \fi
22884   \ifnextchar [\@LTRxmpar\@LTRympar}
22885 \long\def\@LTRxmpar[#1]#2{%
22886   \@LTRsavemarbox\@marbox{#1}%
22887   \@LTRsavemarbox\@currbox{#2}%
22888   \@xympar}
22889 \long\def\@LTRympar#1{%
22890   \@LTRsavemarbox\@marbox{#1}%
22891   \global\setbox\@currbox\copy\@marbox
22892   \@xympar}
22893 \long\def \@LTRsavemarbox #1#2{%
22894   \global\setbox #1%
22895     \color@vbox
22896     \vtop{%
22897       \hsize\marginparwidth
22898       \@parboxrestore
22899       \@LTRmarginparreset
22900       #2%
22901       \@minipagefalse
22902       \outer@nobreak
22903     }%
22904   \color@endbox
22905 }
22906 \def \@LTRmarginparreset {%
22907   \reset@font
22908   \normalsize
22909   \@minipagetrue

```



```

22910         \everypar{\@minipagefalse\everypar{}\beginL}%
22911 }
22912 \def\RTLmarginpar{%
22913   \ifhmode
22914     \@bsphack
22915     \@floatpenalty -\@Mii
22916   \else
22917     \@floatpenalty-\@Miii
22918   \fi
22919   \ifinner
22920     \@parmoderr
22921     \@floatpenalty\z@
22922   \else
22923     \@next\@currbox\@freelist{}\{}%
22924     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
22925     {\@floatpenalty\z@
22926       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
22927   \fi
22928   \ifnextchar [\@RTLxmpar\@RTLympar}
22929 \long\def\@RTLxmpar[#1]#2{%
22930   \@RTLSavemarbox\@marbox{#1}%
22931   \@RTLSavemarbox\@currbox{#2}%
22932   \@xympar}
22933 \long\def\@RTLympar#1{%
22934   \@RTLSavemarbox\@marbox{#1}%
22935   \global\setbox\@currbox\copy\@marbox
22936   \@xympar}
22937 \long\def \@RTLSavemarbox #1#2{%
22938   \global\setbox #1%
22939     \color@vbox
22940     \vtop{%
22941       \hsize\marginparwidth
22942       \@parboxrestore
22943       \RTLmarginparreset
22944       #2%
22945       \@minipagefalse
22946       \outer@nobreak
22947     }%
22948   \color@endbox
22949 }
22950 \def \@RTLmarginparreset {%
22951   \reset@font
22952   \normalsize
22953   \@minipagetrue
22954   \everypar{\@minipagefalse\everypar{}\beginR}%
22955 }
22956 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
22957   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
22958   \if@twocolumn
22959     \if@firstcolumn \@tempcnta\m@ne \fi
22960   \else
22961     \if@mparswitch
22962       \ifodd\c@page \else\@tempcnta\m@ne \fi
22963   \fi

```



```

22964 \if@reversemargin \@tempcnta -\@tempcnta \fi
22965 \fi
22966 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
22967 \@tempdima\@mparbottom
22968 \advance\@tempdima -\@pageht
22969 \advance\@tempdima\ht\@marbox
22970 \ifdim\@tempdima >\z@
22971 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
22972 \else
22973 \@tempdima\z@
22974 \fi
22975 \global\@mparbottom\@pageht
22976 \global\advance\@mparbottom\@tempdima
22977 \global\advance\@mparbottom\dp\@marbox
22978 \global\advance\@mparbottom\marginparpush
22979 \advance\@tempdima -\ht\@marbox
22980 \global\setbox \@marbox
22981 \vbox {\vskip \@tempdima
22982 \box \@marbox}%
22983 \global \ht\@marbox \z@
22984 \global \dp\@marbox \z@
22985 \kern -\@pagedp
22986 \nointerlineskip
22987 \hb@xt@\columnwidth
22988 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
22989 \hskip\columnwidth \hskip\marginparsep
22990 \else
22991 \hskip -\marginparsep \hskip -\marginparwidth
22992 \fi
22993 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
22994 \nointerlineskip
22995 \hbox{\vrule \height\z@ \width\z@ \depth\@pagedp}}
22996 \long\def\@ympar#1{%
22997 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginp
22998 \global\setbox\@currbox\copy\@marbox
22999 \@xympar}
23000 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
23001 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
23002 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
23003 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
23004 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
23005 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
23006 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
23007 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
23008 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
23009 \fi}
23010
23011 \newcommand*{\bidi@font@outputpage}{%}
23012
23013 \def\@outputpage{%
23014 \begingroup % the \endgroup is put in by \aftergroup
23015 \let \protect \noexpand
23016 \@resetactivechars
23017 \global\let\@if@newlist\if@newlist

```



```

23018 \global\@newlistfalse
23019 \@parboxrestore
23020 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
23021 \bidi@beforeoutputpageshipouthook
23022 \shipout \vbox{%
23023   \set@typeset@protect
23024   \aftergroup \endgroup
23025   \aftergroup \set@typeset@protect
23026                                     % correct? or just restore by ending
23027                                     % the group?
23028 \if@specialpage
23029   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
23030 \fi
23031 \if@twoside
23032   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
23033   \if@RTLmain
23034     \let\@themargin\evensidemargin
23035   \else
23036     \let\@themargin\oddsidemargin
23037   \fi
23038 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
23039   \if@RTLmain
23040     \let\@themargin\oddsidemargin
23041   \else
23042     \let\@themargin\evensidemargin
23043   \fi
23044 \fi
23045 \ifx\@thehead\@empty \let\@thehead\hfil \fi
23046 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
23047 \else %% not @twoside
23048 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
23049 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
23050 \fi
23051 \reset@font
23052 \normalsize
23053 \bidi@font@@outputpage
23054 \normalsfcodes
23055 \let\label\@gobble
23056 \let\index\@gobble
23057 \let\glossary\@gobble
23058 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
23059 \@begindvi
23060 \vskip \topmargin
23061 \moveright\@themargin \vbox {%
23062   \global\let\@bidi@BeforeHeader\@firstofone
23063   \bidi@beforeheaderhook
23064   \setbox\@tempboxa \vbox to\headheight{%
23065     \vfil
23066     \color@hbox
23067     \normalcolor
23068     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if
23069     \color@endbox
23070     }%
23071     \dp\@tempboxa \z@

```



```

23072 \box\@tempboxa
23073 \vskip \headsep
23074 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
23075 \bidi@beforeoutputboxoutputpagehook
23076 \box\@outputbox
23077 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
23078 \bidi@afteroutputboxoutputpagehook
23079 \global\let\@bidi@BeforeFooter\@firstofone
23080 \bidi@beforefooterhook
23081 \baselineskip \footskip
23082 \color@hbox
23083 \normalcolor
23084 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
23085 \color@endbox
23086 \global\let\@bidi@AfterFooter\@firstofone
23087 \bidi@afterfooterhook
23088 }%
23089 }%
23090 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
23091 \bidi@afteroutputpageshipouthook
23092 \global\let\if@newlist\@if@newlist
23093 \global \colht \textheight
23094 \stepcounter{page}%
23095 \let\firstmark\botmark
23096 \global\let\@bidi@AtEndOutputPage\@firstofone
23097 \bidi@atendoutputpagehook
23098 }
23099 \long\def\@makecaption#1#2{%
23100 \vskip\abovecaptionskip
23101 \sbox\@tempboxa{#1: #2}%
23102 \ifdim \wd\@tempboxa >\hsize
23103 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
23104 \else
23105 \global \minipagefalse
23106 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
23107 \fi
23108 \vskip\belowcaptionskip}
23109 \let\@bidi@saved@eqno=\eqno
23110 \let\@bidi@saved@leqno=\leqno
23111 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
23112 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
23113 \@ifpackageloaded{amsmath}{-}{-}
23114 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
23115 }
23116 \input{footnote-xetex-bidi.def}
23117 \if@twocolumn
23118 \let\autofooterule\relax
23119 \let\leftfootnoterule\relax
23120 \let\rightfootnoterule\relax
23121 \textwidthfootnoterule
23122 \fi
23123 \if@bidi@csundef{\@idxitem}{-}{-}%
23124 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
23125 }

```




```

23126 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
23127 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
23128 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
23129 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
23130 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
23131 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
23132 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
23133 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{}
23134 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
23135 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
23136 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
23137 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
23138 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
23139 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
23140 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
23141 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
23142 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
23143 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
23144 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
23145 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
23146 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
23147 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
23148 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
23149 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
23150 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
23151 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
23152 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
23153 \@ifpackageloaded{amsmath}{\%
23154 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
23155 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
23156 }
23157 \@ifpackageloaded{mathtools}{%
23158 \RequirePackage{graphicx}%
23159 \input{mathtools-xetex-bidi.def}%
23160 }{}
23161 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
23162 \@ifpackageloaded{lscape}{\RequirePackage{graphicx}}{}
23163 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
23164 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
23165 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
23166 \@ifpackagewith{algorithm2e}{algonl}{%
23167 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{A
23168 }{}
23169 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
23170 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
23171 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
23172 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
23173 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
23174 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
23175 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
23176 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
23177 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
23178 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
23179 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}

```



```

23180 \ifpackageloaded{crop}{\ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
23181 \ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
23182 \ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
23183 \ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
23184 \ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
23185 \ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
23186 \ifpackageloaded{float}{\ifpackageloaded{floatrow}}{\input{float-xetex-bidi.def}}{}
23187 \ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
23188 \ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
23189 \ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
23190 \ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
23191 \ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
23192 \ifpackageloaded{hvfloating}{\input{hvfloating-xetex-bidi.def}}{}
23193 \ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
23194 \ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
23195 \ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
23196 \ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
23197 \ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
23198 \ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
23199 \ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
23200 \ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
23201 \ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
23202 \ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
23203 \ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
23204 \ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
23205 \ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
23206 \ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
23207 \ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
23208 \ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
23209 \ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
23210 \ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
23211 \ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
23212 \ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
23213 \ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
23214 \ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
23215 \ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
23216 \ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
23217 \ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
23218 \ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
23219 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
23220 \iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
23221 \ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
23222 \ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
23223 \ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
23224 \ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
23225 \ifpackagewith{sidecap}{innercaption}{%
23226 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
23227 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
23228 \renewcommand*{\SC@justify@caption}{%
23229 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
23230 \renewcommand*{\SC@FLOAT}[2]{%
23231 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
23232 \renewcommand*{\SC@justify@caption}{%
23233 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi

```



```

23234 }{}
23235 \@ifpackagewith{sidecap}{rightcaption}{%
23236   \ifRTL\renewcommand*{\SC@FLOAT}[2]{\#{1}\hspace{\sidecaptionsep}{\#2}}
23237   \def\SC@justify@caption{\RaggedLeft}\else%
23238   \renewcommand*{\SC@FLOAT}[2]{\#{2}\hspace{\sidecaptionsep}{\#1}}
23239   \def\SC@justify@caption{\RaggedRight}\fi%
23240 }{}
23241 \@ifpackagewith{sidecap}{leftcaption}{%
23242   \ifRTL \renewcommand*{\SC@FLOAT}[2]{\#{2}\hspace{\sidecaptionsep}{\#1}}
23243   \def\SC@justify@caption{\RaggedRight}\else%
23244   \renewcommand*{\SC@FLOAT}[2]{\#{1}\hspace{\sidecaptionsep}{\#2}}
23245   \def\SC@justify@caption{\RaggedLeft}\fi%
23246 }{}
23247 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
23248 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
23249 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
23250 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
23251 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
23252 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
23253 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
23254 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
23255 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
23256 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
23257 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
23258 \@ifpackageloaded{pgfsys}{\input{pgfsys.code-xetex-bidi.def}}{}
23259 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
23260 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
23261 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
23262 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
23263 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
23264 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
23265 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
23266 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
23267 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}{\input{tocbibind-xetex-bidi.def}}{}}{}
23268 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}{}}{}
23269 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
23270 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}
23271 \@ifpackageloaded{beamerbaseauxtemplates}{\input{beamerbaseauxtemplates-xetex-bidi.def}}{}
23272 \@ifpackageloaded{beamerbaseboxes}{\input{beamerbaseboxes-xetex-bidi.def}}{}
23273 \@ifpackageloaded{beamerbasecolor}{\input{beamerbasecolor-xetex-bidi.def}}{}
23274 \@ifpackageloaded{beamerbaseframecomponents}{\input{beamerbaseframecomponents-xetex-bidi.def}}{}
23275 \@ifpackageloaded{beamerbaselocalstructure}{\input{beamerbaselocalstructure-xetex-bidi.def}}{}
23276 \@ifpackageloaded{beamerinnerthemedefault}{\input{beamerinnerthemedefault-xetex-bidi.def}}{}
23277 \@ifpackageloaded{beamerinnerthemrounded}{\input{beamerinnerthemrounded-xetex-bidi.def}}{}
23278 \@ifpackageloaded{beamerouterthemeinfolines}{\input{beamerouterthemeinfolines-xetex-bidi.def}}{}
23279 \@ifpackageloaded{beamerouterthemesplit}{\input{beamerouterthemesplit-xetex-bidi.def}}{}
23280 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}

```

142 File xltextra-xetex-bidi.def

```

23281 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package f
23282 \let\@XeTeX\XeTeX
23283 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
23284 \let\@XeLaTeX\XeLaTeX

```



23285 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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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		
\# .. 4050, 4096, 4208, 4216	\@LaTeXe .. 22410, 22411	\@makecaption
\% 12514	\@RTL 16733,	.. 18410, 18474,
\' ... 12634, 14878, 16884	16736, 22402, 22405	18578, 19171,
\(..... 14979	\@Radio ... 13966, 13974	19235, 19340,
\) 14980	\@TeX 16737,	19936, 20000, 20105
\, 6302, 12897,	16738, 22406, 22407	\@makefnmark
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