



# The *bidi Package*

Source documentation for **version 35.10**

*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/vafa-ac/bidi/issues>

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

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# The *bid* Package

## Bidirectional typesetting in plain $\text{\TeX}$ and $\text{\LaTeX}$ , using $\text{\XeTeX}$ engine

Source documentation for [version 35.10](#)

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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 Xe
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17  \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31   \hrule\@width 5pc\kern11p@\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     \makefnintext{%
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   \@makefntext{%
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     \@makefntext{%
76       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84   \@bibtitlestyle
85   \normalfont\bibliofont\labelsep .5em\relax
86   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
88   \bidi@thebibliography@font@hook%
89   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90     \leftmargin\labelwidth \advance\leftmargin\labelsep
91     \usecounter{enumiv}}%
92   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93   \sfcode`\.=\@m
94 }{%
95   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96   \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi

```



```

99 \columnseprule\z@ \columnsep 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent\z@ \parskip\z@\@plus.3\p@\relax
104 \if@RTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}
107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \@topnum\z@ % this prevents figures from falling at the top of page 1
112 \@setcopyright
113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\nonmath\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
122 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124 \@nx\markboth{\the\toks4
125 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \@cleartopmattertags
130 }

```

## 2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol package]
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 pa
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi
170 \@ifpackageloaded{color}{-}{%
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 Xe
197 \def\tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \tempdima\csname r@tocindent\number#1\endcsname\relax
204 }{%
205 \tempdima#4\relax
206 }%
207 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip
208 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

240 \reset@font%
241 \bidi@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247   \csname p@footnote\endcsname\@thefnmark}%
248 \@makefntext{%
249   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252   \insert\footins{%
253     \@RTLtrue%
254     \reset@font%
255     \bidi@RTLfootnotetext@font% \normalfont\footnotesize
256     \interlinepenalty\interfootnotelinepenalty
257     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258     \floatingpenalty\@MM \hsize\columnwidth
259     \@parboxrestore \parindent\normalparindent \sloppy
260     \protected@edef\@currentlabel{%
261       \csname p@footnote\endcsname\@thefnmark}%
262     \@makefntext{%
263       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267   \insert\footins{%
268     \@RTLfalse%
269     \reset@font%
270     \bidi@LTRfootnotetext@font% \normalfont\footnotesize
271     \interlinepenalty\interfootnotelinepenalty
272     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273     \floatingpenalty\@MM \hsize\columnwidth
274     \@parboxrestore \parindent\normalparindent \sloppy
275     \protected@edef\@currentlabel{%
276       \csname p@footnote\endcsname\@thefnmark}%
277     \@makefntext{%
278       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287   \@bibtitlestyle
288   \normalfont\bibliofont\labelsep .5em\relax
289   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty

```



```

290 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@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\righskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\righskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par
314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

## 5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2018/01/08 v1.1 bidi adaptations for amsmath package for
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@@@{\ifnonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italiccorr

```



## 6 File amstext-xetex-bidi.def

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

## 7 File amsthm-xetex-bidi.def

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

## 8 File array-xetex-bidi.def

```
344 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeLaTeX]
345 \def\@testpach{\@chclass
346 \ifnum \@lastchclass=6 \one \chnum \one \else
347 \ifnum \@lastchclass=7 5 \else
348 \ifnum \@lastchclass=8 \tw@ \else
349 \ifnum \@lastchclass=9 \thr@@
350 \else \z@
351 \ifnum \@lastchclass = 10 \else
352 \edef\@nextchar{\expandafter\string\@nextchar}%
353 \chnum
354 \if \@nextchar c\z@ \else
355 \if \@nextchar \if@RTLtab r\else l\fi\one \else
356 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
357 \z@ \chclass
358 \if \@nextchar |\one \else
359 \if \@nextchar !6 \else
360 \if \@nextchar @7 \else
361 \if \@nextchar <8 \else
362 \if \@nextchar >9 \else
363 10
364 \chnum
365 \if \@nextchar m\thr@@\else
366 \if \@nextchar p4 \else
367 \if \@nextchar b5 \else
368 \z@ \chclass \z@ \preamerr \z@ \fi \fi \fi \fi
369 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
370 \def\@tabular{%
371 \leavevmode
372 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginRgroup
373 \let\d@llarend\endRgroup
374 \tabarray}
375 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
376 \expandafter\let\csname endtabular*\endcsname=\endtabular
377 \def\@array[#1]#2{%
378 \@tempdima \ht \strutbox
```



```

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

```

## 9 File article-xetex-bidi.def

```

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

```



```

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

```



```

476 \global\let\date\relax
477 \global\let\and\relax
478 }
479 \def\@maketitle{%
480 \newpage
481 \null
482 \vskip 2em%
483 \begin{center}%
484 \let \footnote \thanks
485 \let \LTRfootnote \LTRthanks
486 \let \RTLfootnote \RTLthanks
487 {\LARGE \@title \par}%
488 \vskip 1.5em%
489 {\large
490 \lineskip .5em%
491 \begin{tabular}[t]{c}%
492 \@author
493 \end{tabular}\par}%
494 \vskip 1em%
495 {\large \@date}%
496 \end{center}%
497 \par
498 \vskip 1.5em}
499 \fi
500 \renewcommand*\l@part[2]{%
501 \ifnum \c@tocdepth >-2\relax
502 \addpenalty\@secpenalty
503 \addvspace{2.25em \@plus\p@}%
504 \setlength\@tempdima{3em}%
505 \begingroup
506 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
507 \parfillskip -\@pnumwidth
508 {\leavevmode
509 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
510 \nobreak
511 \if@compatibility
512 \global\@nobreaktrue
513 \everypar{\global\@nobreakfalse\everypar{}}%
514 \fi
515 \endgroup
516 \fi}
517 \renewcommand*\l@section[2]{%
518 \ifnum \c@tocdepth >\z@
519 \addpenalty\@secpenalty
520 \addvspace{1.0em \@plus\p@}%
521 \setlength\@tempdima{1.5em}%
522 \begingroup
523 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
524 \parfillskip -\@pnumwidth
525 \leavevmode \bfseries

```



```

526     \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
527     \hskip -\if@RTL\rightright\else\leftskip\fi
528     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
529     \endgroup
530 \fi}
531 \renewcommand\left@footnoterule{%
532     \kern-3\p@
533     \hrule\@width.4\columnwidth
534     \kern2.6\p@}
535 \renewcommand\right@footnoterule{%
536     \kern-3\p@
537     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
538     \kern2.6\p@}
539 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
540 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
541 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
542 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
543 \def\@part[#1]#2{%
544     \ifnum \c@secnumdepth >\m@ne
545         \refstepcounter{part}%
546         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
547     \else
548         \addcontentsline{toc}{part}{#1}%
549     \fi
550     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
551     \interlinepenalty \@M
552     \normalfont
553     \ifnum \c@secnumdepth >\m@ne
554         \Large\bfseries \partname\nobreakspace\thepart
555         \par\nobreak
556     \fi
557     \huge \bfseries #2%
558     \markboth{}{\par}%
559     \nobreak
560     \vskip 3ex
561     \@afterheading}
562 \renewenvironment{thebibliography}[1]
563     {\section*{\refname}%
564     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
565     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
566     \bidi@thebibliography@font@hook%
567     \list{\@biblabel{\@arabic\c@enumiv}}%
568         {\settowidth\labelwidth{\@biblabel{#1}}%
569         \leftmargin\labelwidth
570         \advance\leftmargin\labelsep
571         \@openbib@code
572         \usecounter{enumiv}%
573         \let\p@enumiv\@empty
574         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
575     \sloppy

```





```

576 \clubpenalty4000
577 \@clubpenalty \clubpenalty
578 \widowpenalty4000%
579 \sfcode`\.\@m}
580 {\def\@noitemerr
581 {\@latex@warning{Empty `thebibliography' environment}}}%
582 \endlist}
583 \renewenvironment{theindex}
584 {\if@twocolumn
585 \@restonecolfalse
586 \else
587 \@restonecoltrue
588 \fi
589 \columnseprule \z@
590 \columnsep 35\p@
591 \twocolumn[\section*{\indexname}]%
592 \@mkboth{\MakeUppercase\indexname}%
593 {\MakeUppercase\indexname}%
594 \thispagestyle{plain}\parindent\z@
595 \parskip\z@ \@plus .3\p@\relax
596 \let\item\@idxitem}
597 {\if@restonecol\onecolumn\else\clearpage\fi}

```

## 10 File artikel1-xetex-bidi.def

```

598 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class for
599 \renewenvironment{theindex}{%
600 \if@twocolumn
601 \@restonecolfalse
602 \else
603 \@restonecoltrue
604 \fi
605 \columnseprule \z@
606 \columnsep 35\p@
607 \twocolumn[\section*{\indexname}]%
608 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
609 \thispagestyle{plain}\parindent\z@
610 \parskip\z@ \@plus .3\p@\relax
611 \let\item\@idxitem
612 }{%
613 \if@restonecol\onecolumn\else\clearpage\fi}
614 \renewcommand*{\head@style}{%
615 \interlinepenalty \@M
616 \hyphenpenalty=\@M \exhyphenpenalty=\@M
617 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
618 \if@titlepage
619 \renewenvironment{abstract}{%
620 \titlepage
621 \null\vfil
622 \section*{\SectFont\abstractname}

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 11 File artikel2-xetex-bidi.def

```

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

```



```

870 \parfillskip\z@
871 \@tempdima\unitindent
872 \advance\@tempdima by \othermargin
873 \parindent\z@
874 \leavevmode
875 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
876 \hskip 1em \nobreak{\slshape #3}\par
877 }%
878 \fi}
879 \if@oldtoc
880 \renewcommand*\l@section[2]{%
881 \addpenalty\@secpenalty
882 \addvspace{1.0em \@plus\p@}%
883 \setlength\@tempdima{1.5em}%
884 \begingroup
885 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
886 \parfillskip -\@pnumwidth
887 \leavevmode \bfseries
888 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
889 \hskip -\if@RTL\righskip\else\leftskip\fi
890 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
891 \endgroup}
892 \else
893 \renewcommand*\l@section{\@regtocline{1}}
894 \fi
895 \if@oldtoc
896 \renewcommand*\l@part[2]{%
897 \ifnum \c@tocdepth >-2\relax
898 \addpenalty\@secpenalty
899 \addvspace{2.25em \@plus\p@}%
900 \begingroup
901 \setlength\@tempdima{3em}%
902 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
903 \parfillskip -\@pnumwidth
904 {\leavevmode
905 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
906 \nobreak
907 \if@compatibility
908 \global\@nobreaktrue
909 \everypar{\global\@nobreakfalse\everypar{}}%
910 \fi
911 \endgroup
912 \fi}
913 \else
914 \renewcommand*\l@part{%
915 \ifnum \c@tocdepth >-2\relax
916 \addpenalty\@secpenalty
917 \addvspace{2.25em \@plus \p@}%
918 \@regtocline{0}%
919 \fi}

```



```

920 \fi
921 \renewcommand*\head@style{%
922     \interlinepenalty \@M
923     \hyphenpenalty=\@M \exhyphenpenalty=\@M
924     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
925 \if@titlepage
926     \renewenvironment{abstract}{%
927         \titlepage
928         \null\vfil
929         \section*{\SectFont\abstractname}%
930         \noindent\ignorespaces}
931     {\par\vfil\null\endtitlepage}
932 \else
933     \renewenvironment{abstract}{%
934         \if@twocolumn
935             \section*{\abstractname}%
936         \else
937             \section*{\hskip\unitindent\small\SectFont\abstractname}%
938             \list{}{\setlength\listparindent{\unitindent}%
939                 \setlength\parindent {\z@}%
940                 \setlength\leftmargin {\unitindent}%
941                 \setlength\rightmargin {\unitindent}%
942                 \setlength\parsep {\z@}}%
943             \item[]%
944         \fi}
945     {\if@twocolumn\else\par\endlist\fi}
946 \fi
947 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
948 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
949 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
950 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
951 \renewcommand*\left@footnoterule{%
952     \kern-3\p@
953     \hrule\@width 3\unitindent
954     \kern 2.6\p@
955 }
956 \renewcommand*\right@footnoterule{%
957     \kern-3\p@
958     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
959     \kern 2.6\p@}
960 \renewenvironment{thebibliography}[1]
961     {\section*{\refname}%
962         \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
963         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
964         \bidi@thebibliography@font@hook%
965         \list{\@biblabel{\@arabic\c@enumiv}}%
966             {\settowidth\labelwidth{\@biblabel{#1}}%
967                 \leftmargin\labelwidth
968                 \advance\leftmargin\labelsep
969                 \@openbib@code

```





```

970         \usecounter{enumiv}%
971         \let\p@enumiv\@empty
972         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
973     \sloppy\clubpenalty4000\widowpenalty4000%
974     \sfcode`\.\@m}
975     {\def\@noitemerr
976     {\@latex@warning{Empty `thebibliography' environment}}}%
977     \endlist}
978 \if@titlepage
979 \renewcommand*\TitleFont{\rmfamily}
980 \renewcommand*\maketitle{%
981 \begin{titlepage}%
982     \let\footnotesize\small
983     \let\right@footnoterule\relax
984     \let\left@footnoterule\relax
985     \let\textwidth\footnoterule\relax
986     \let \footnote \thanks
987     \long\def\@makefnmark{\parindent\z@
988         \def\labelitemi{\textendash}\@revlabeltrue
989         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
990     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
991     \if@compatibility\setcounter{page}{0}\fi
992     \null\vfil
993     \vskip 60\p@
994     \begin{center}%
995         \TitleFont
996         {\LARGE \def\{\{\penalty -\@M}
997         \if@allcaps
998             \expandafter\uc@nothanks\@title\thanks\relax
999         \else
1000             \@title
1001             \fi\par}%
1002         \vskip 3em%
1003         {\large
1004             \lineskip .75em \parindent\z@
1005             \begin{tabular}[t]{c}%
1006                 \if@allcaps
1007                     \expandafter\uc@author\@author\and\relax
1008                 \else
1009                     \@author
1010                 \fi
1011             \end{tabular}\par}%
1012         \vskip 1.5em%
1013         {\large
1014             \if@allcaps
1015                 \uppercase\expandafter{\@date}%
1016             \else
1017                 \@date
1018             \fi\par}%
1019     \end{center}\par

```



```

1020 \thanks
1021 \vfil\null
1022 \end{titlepage}%
1023 \setcounter{footnote}{0}%
1024 \global\let\thanks\relax
1025 \global\let\maketitle\relax
1026 \global\let\@thanks\@empty
1027 \global\let\@author\@empty
1028 \global\let\@title\@empty
1029 \global\let\@date\@empty
1030 \global\let\title\relax
1031 \global\let\author\relax
1032 \global\let\date\relax
1033 \global\let\and\relax
1034 }
1035 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1036 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1037 \futurelet\@tempa\uc@ax}
1038 \def\uc@ax{%
1039 \ifx\@tempa\relax
1040 \else
1041 \\\andname \\\expandafter\uc@authornothanks
1042 \fi}
1043 \def\uc@tx{\ifx\@tempa\relax
1044 \else \expandafter\uc@ty \fi}
1045 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1046 \else
1047 \renewcommand*\maketitle{\par
1048 \begingroup
1049 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1050 \long\def\@makefntext##1{\parindent\z@
1051 \def\labelitemi{\textendash}%
1052 \leavevmode\hb@xt@.5\unitindent{%
1053 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1054 \if@twocolumn
1055 \ifnum \col@number=\@ne
1056 \@maketitle
1057 \else
1058 \twocolumn[\@maketitle]%
1059 \fi
1060 \else
1061 \newpage
1062 \global\@topnum\z@
1063 \@maketitle
1064 \fi
1065 \thispagestyle{plain}\@thanks
1066 \endgroup
1067 \setcounter{footnote}{0}%
1068 \global\let\thanks\relax
1069 \global\let\maketitle\relax

```



```

1070 \global\let\@maketitle\relax
1071 \global\let\@thanks\@empty
1072 \global\let\@author\@empty
1073 \global\let\@title\@empty
1074 \global\let\@date\@empty
1075 \global\let\title\relax
1076 \global\let\author\relax
1077 \global\let\date\relax
1078 \global\let\and\relax
1079 }
1080 \def\@maketitle{%
1081 \newpage
1082 \null
1083 \vskip 2em%
1084 \begin{center}%
1085 \let \footnote \thanks
1086 {\LARGE \TitleFont \@title \par}%
1087 \vskip 1.5em%
1088 {\large \TitleFont
1089 \lineskip .5em%
1090 \begin{tabular}[t]{c}%
1091 \@author
1092 \end{tabular}\par}%
1093 \vskip 1em%
1094 {\large \TitleFont \@date}%
1095 \end{center}%
1096 \par
1097 \vskip 1.5em}
1098 \fi

```

## 12 File artikel3-xetex-bidi.def

```

1099 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for
1100 \renewenvironment{theindex}{%
1101 \if@twocolumn
1102 \@restonecolfalse
1103 \else
1104 \@restonecoltrue
1105 \fi
1106 \columnseprule \z@
1107 \columnsep 35\p@
1108 \twocolumn[\section*{\indexname}]%
1109 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1110 \thispagestyle{plain}\parindent\z@
1111 \parskip\z@ \@plus .3\p@\relax
1112 \let\item\@idxitem
1113 }{%
1114 \if@restonecol\onecolumn\else\clearpage\fi}
1115 \renewcommand*{\head@style}{%
1116 \interlinepenalty \@M

```



```

1117 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1118 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1119 \renewcommand*\@regtocline[3]{%
1120 \ifnum #1>\c@tocdepth
1121 \else
1122 \vskip\z@\@plus.2\p@
1123 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1124 \if@RTL\rightskip\else\leftskip\fi\unitindent
1125 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1126 \parfillskip\z@
1127 \@tempdima\unitindent
1128 \parindent\z@
1129 \leavevmode
1130 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1131 \hskip 1em \nobreak{\slshape #3}\par
1132 }%
1133 \fi}
1134 \if@oldtoc
1135 \renewcommand*\l@part[2]{%
1136 \ifnum \c@tocdepth >-2\relax
1137 \addpenalty\@secpenalty
1138 \addvspace{2.25em \@plus\p@}%
1139 \begingroup
1140 \setlength\@tempdima{3em}%
1141 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1142 \parfillskip -\@pnumwidth
1143 {\leavevmode
1144 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1145 \nobreak
1146 \if@compatibility
1147 \global\@nobreaktrue
1148 \everypar{\global\@nobreakfalse\everypar{}}}%
1149 \fi
1150 \endgroup
1151 \fi}
1152 \else
1153 \renewcommand*\l@part{%
1154 \ifnum \c@tocdepth >-2\relax
1155 \addpenalty\@secpenalty
1156 \addvspace{2.25em \@plus \p@}%
1157 \@regtocline{0}%
1158 \fi}
1159 \fi
1160
1161 \if@oldtoc
1162 \renewcommand*\l@section[2]{%
1163 \addpenalty\@secpenalty
1164 \addvspace{1.0em \@plus\p@}%
1165 \setlength\@tempdima{1.5em}%
1166 \begingroup

```



```

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

```



```

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

```



```

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

```



```

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

```

### 13 File arydshln-xetex-bidi.def

```

1359 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1360 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1361 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1362 \expandafter\let\csname endtabular*\endcsname\endtabular
1363 \let\adl@array\@array

```





```

1364 \def\@array{\adl@everyvbox\everyvbox
1365         \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1366         \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1367         \let\adl@noalign\noalign
1368         \adl@array}
1369 \ifadl@usingarypkg
1370 \def\@testpach{\@chclass
1371 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1372 \ifnum \@lastchclass=7 5 \else
1373 \ifnum \@lastchclass=8 \tw@ \else
1374 \ifnum \@lastchclass=9 \thr@@
1375 \else \z@
1376 \ifnum \@lastchclass = 10 \else
1377 \edef\@nextchar{\expandafter\string\@nextchar}%
1378 \@chnum
1379 \if \@nextchar c\z@ \else
1380 \if \@nextchar \ifRTLT@ r\else l\fi\@ne \else
1381 \if \@nextchar \ifRTLT@ l\else r\fi\tw@ \else
1382 \z@ \@chclass
1383 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1384 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1385 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1386 \if \@nextchar !6 \else
1387 \if \@nextchar @7 \else
1388 \if \@nextchar <8 \else
1389 \if \@nextchar >9 \else
1390 10
1391 \@chnum
1392 \if \@nextchar m\thr@@\else
1393 \if \@nextchar p4 \else
1394 \if \@nextchar b5 \else
1395 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1396 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1397
1398 \def\@classz{\@classx
1399 \count@
1400 \prepnext@tok
1401 \@addtopreamble{\ifcase \@chnum
1402 \hfil
1403 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1404 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1405 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1406 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1407 \adl@endmbox\or
1408 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1409 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1410 \fi}\prepnext@tok}
1411 \def\adl@classstart{4}
1412 \def\adl@class@iiiorvii{7}
1413

```



```

1414 \else
1415 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1416 \ifnum \@lastchclass=\thr@@ 5\relax \else
1417 \z@ \if #1c\@chnum \z@ \else
1418 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1419 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1420 \@chclass
1421 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1422 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1423 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1424 \if #1@tw@ \else
1425 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1426 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1427
1428 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1429 \or \or \@addamp \or
1430 \@acolampacol \or \@firststampfalse \@acol \fi
1431 \edef\@preamble{\@preamble
1432 \ifcase \@chnum
1433 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1434 \or \adl@putlrc{\$relax\@sharp$}\hfil
1435 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1436 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1437 \or \or \@addamp \or
1438 \@acolampacol \or \@firststampfalse \@acol \fi
1439 \edef\@preamble{\@preamble
1440 \ifcase \@chnum
1441 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1442 \or \adl@putlrc{\@sharp\unskip}\hfil
1443 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1444 \def\adl@classstart{6}
1445 \def\adl@class0iiiiorvii{3}
1446 \fi
1447 \ifpackageloaded{colortbl}{%
1448 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1449 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1450 \let\@endpbox\adl@org@endpbox}
1451 \let\adl@CT@setup\CT@setup
1452 \def\CT@setup{\adl@CT@setup
1453 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1454 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1455 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1456 \let\adl@act@CT@setup\CT@setup
1457 \def\@classz{\@classx
1458 \@tempcnta\count@ \prepnext@tok
1459 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1460 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1461 \expandafter\adl@extract@drsc
1462 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1463 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil

```



```

1464 \addtopreamble{\if@RTL\beginL\fi%
1465 \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1466 \ifcase \@chnum
1467 \hskip\stretch{.5}\kern\z@
1468 \d@llarbegin
1469 \insert@column
1470 \d@llarend\hskip\stretch{.5}%
1471 \or \d@llarbegin \insert@column \d@llarend \hfill
1472 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1473 \or $\vcenter
1474 \startpbox{\@nextchar}\insert@column \endpbox $%
1475 \or \vtop \startpbox{\@nextchar}\insert@column \endpbox
1476 \or \vbox \startpbox{\@nextchar}\insert@column \endpbox
1477 \fi
1478 \if@RTL\endR\fi\egroup\egroup
1479 \begingroup
1480 \CT@setup
1481 \CT@column@color
1482 \CT@row@color
1483 \CT@cell@color
1484 \CT@do@color
1485 \endgroup
1486 \@tempdima\ht\z@
1487 \advance\@tempdima\minrowclearance
1488 \vrule\@height\@tempdima\@width\z@
1489 \unhbox\z@\if@RTL\endL\fi}%
1490 \prepnext@tok}
1491 \let\adl@act@classz\@classz
1492 \let\adl@org@classz\@classz
1493 }{}

```

## 14 File bidi.sty

```

1494 \NeedsTeXFormat{LaTeX2e}
1495 \def\bididate{2019/10/19}
1496 \def\bidiversion{35.10}
1497 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1498 Bidirectional typesetting in plain TeX and LaTeX]
1499 \edef\@bidi@info{*****^^J%
1500 * ^^J%
1501 * bidi package (Bidirectional typesetting in^^J%
1502 * plain TeX and LaTeX, using XeTeX engine)^^J%
1503 * ^^J%
1504 * Description: A convenient interface for^^J%
1505 * typesetting bidirectional texts in plain TeX^^J%
1506 * and LaTeX. The package includes adaptations^^J%
1507 * for use with many other commonly-used packages.^^J%
1508 * ^^J%
1509 * Copyright (c) 2009--2019 Vafa Khalighi^^J%
1510 * ^^J%

```



```

1511 * v\bidi@version, \bididate^^J%
1512 * ^^J%
1513 * License: LaTeX Project Public License, version^^J%
1514 * 1.3c or higher (your choice)^^J%
1515 * ^^J%
1516 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1517 * ^^J%
1518 * Issue tracker: https://github.com/vafa-ac/bidi/issues^^J%
1519 * ^^J%
1520 *****}
1521 \typeout{\@bidi@info}
1522 \edef\bidi@everyjob{\the\everyjob}
1523 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1524 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
1525 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1526   \ifdim\bidi@version pt > #1 pt %
1527     \expandafter\@firstoftwo
1528   \else
1529     \expandafter\@secondoftwo
1530   \fi}
1531 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1532   \ifdim\bidi@version pt < #1 pt %
1533     \expandafter\@firstoftwo
1534   \else
1535     \expandafter\@secondoftwo
1536   \fi}
1537 \newcommand*{\IfbidiPackageVersion}[1]{%
1538   \ifdim\bidi@version pt = #1 pt %
1539     \expandafter\@firstoftwo
1540   \else
1541     \expandafter\@secondoftwo
1542   \fi}
1543 \RequirePackage{iftex}
1544 \RequireXeTeX
1545 \RequirePackage{biditools}
1546 \RequirePackage{zref-abspage}
1547 \RequirePackage{auxhook}
1548 \RequirePackage{ltxcmds}
1549 \RequirePackage{xkeyval}
1550 \eqnewif{\if@RTLmain}{\if@rlmain}
1551 \eqnewif{\if@RTL}{\if@rl}
1552 \newif\if@nonlatin
1553 \newif\if@bidi@perpage@footnote
1554 \newcommand*{\setlatin}{\@nonlatinfalse}
1555 \newcommand*{\setnonlatin}{\@nonlatintrue}
1556 \eqnewif{\if@RTLtab}{\if@tab@rl}
1557 \newif\if@hboxRconstruct
1558 \newif\if@bidi@pdfencrypt
1559 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1560 \newcommand*{\setLTRtable}{\@RTLtabfalse}

```



```

1561 \newif\if@bidi@pdfm@mark
1562 \newif\if@RTLmarginpar
1563 \newif\if@LTRmarginpar
1564 \newif\if@LTRbibitems
1565 \newif\if@RTLbibitems
1566 \newif\if@extrafootnotefeatures
1567 \newif\if@RTLcolumnfootnotes
1568 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1569 \newif\if@bidi@list@minipage@parbox
1570 \newif\if@bidi@list@minipage@parbox@not@nob
1571 \newcommand*{\@bidi@pdfcreator}{%
1572   The bidi package, v\@bidi@version, \@bidi@date
1573 }
1574 \newcommand*{\@bidi@pdfproducer}{%
1575   The bidi package, v\@bidi@version, \@bidi@date
1576 }
1577 \newcommand*{\@bidi@pdfcustomproperties}{%
1578   This is the bidi package, Version \@bidi@version,
1579   Released June 14, 2019.
1580 }
1581 \@RTLmainfalse
1582 \AtBeginDocument{%
1583   \if@RTLmain\else
1584     \if@RTL\@RTLmaintrue%
1585     \else\@RTLmainfalse%
1586     \fi%
1587   \fi%
1588 }
1589 \let\n@xt=
1590 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1591 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1592 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1593 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1594 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1595   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1596 \newinsert\@bidi@copyins@
1597 \skip\@bidi@copyins@=12\p@
1598 \dimen\@bidi@copyins@=40pc
1599 \count\@bidi@copyins@=1000
1600 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1601 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
1602   \if@RTLmain
1603     \if@twocolumn
1604       \hboxR to \columnwidth
1605     \else
1606       \hboxR to \textwidth
1607     \fi
1608   \else
1609     \if@twocolumn
1610       \hboxL to \columnwidth

```



```

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

```



```

1661 \or
1662 \RTLfalse
1663 \fi}
1664 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft, lefttoright}{%
1665 \ifcase\bidi@tempb\relax
1666 \RTLtabtrue
1667 \or
1668 \RTLtabfalse
1669 \fi}
1670 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin, nonlatin}[latin]{%
1671 \ifcase\bidi@tempb\relax
1672 \nonlatinfalse
1673 \or
1674 \nonlatintrue
1675 \fi}
1676 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on, off}[on]{%
1677 \ifcase\bidi@tempb\relax
1678 \RTLtrue
1679 \or
1680 \RTLfalse
1681 \fi}
1682 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic, left, right, split, %
1683 \ifcase\bidi@tempb\relax
1684 \autofootnoterule
1685 \or
1686 \leftfootnoterule
1687 \or
1688 \rightfootnoterule
1689 \or
1690 \SplitFootnoteRule
1691 \or
1692 \textwidthfootnoterule
1693 \fi}
1694 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft, lefttoright}{%
1695 \ifcase\bidi@tempb\relax
1696 \RTL@footnotetrue
1697 \or
1698 \RTL@footnotefalse
1699 \fi}
1700 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on, off}[on]{%
1701 \ifcase\bidi@tempb\relax
1702 \footdir@debugtrue
1703 \or
1704 \footdir@debugfalse
1705 \fi}
1706 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on, off}[on]{%
1707 \ifcase\bidi@tempb\relax
1708 \extrafootnotefeaturestrue
1709 \or
1710 \extrafootnotefeaturesfalse

```



```

1711 \fi}
1712
1713 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1714 \ifcase\bidi@tempb\relax
1715 \def\bidi@firstcolumn@status@write{%
1716     \protected@write\@auxout{%
1717         {\string\bidi@column@status
1718         {1}}}%
1719 \def\bidi@lastcolumn@status@write{%
1720     \protected@write\@auxout{%
1721         {\string\bidi@column@status{2}}}%
1722 \or
1723 \let\bidi@firstcolumn@status@write\relax
1724 \let\bidi@lastcolumn@status@write\relax
1725 \fi}
1726
1727 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1728 \ifcase\bidi@tempb\relax
1729 \AtBeginDocument{\@bidi@inslogo@}%
1730 \or
1731 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
1732 \fi}
1733
1734 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1735 \ifcase\bidi@tempb\relax
1736 \@bidi@pdfm@marktrue
1737 \or
1738 \@bidi@pdfm@markfalse
1739 \fi}
1740
1741 % The `perpagefootnote' option is documented in UK TeX FAQ at
1742 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
1743
1744 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1745 \ifcase\bidi@tempb\relax
1746 \@bidi@perpage@footnotetrue
1747 \or
1748 \@bidi@perpage@footnotefalse
1749 \fi}
1750
1751 \ExecuteOptionsX{%
1752     DetectColumn=off%
1753 }
1754
1755 \ProcessOptionsX
1756
1757 \pdfencryptsetup{%
1758     userpassword,%
1759     ownerpassword,%
1760     keylength,%

```





```

1761 permissionflags%
1762 }
1763
1764 \if@extrafootnotefeatures
1765 \input{extrafootnotefeatures-xetex-bidi.def}
1766 \fi
1767 \newcount\bididigits
1768 \XeTeXinterchartokenstate=\@ne
1769 \newXeTeXintercharclass\bididigits@charclass
1770 \newXeTeXintercharclass\bidisepmark@charclass
1771 \XeTeXcharclass`\.\bidisepmark@charclass
1772 \XeTeXcharclass`\-\bidisepmark@charclass
1773 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1774 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1775 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterChar
1776 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1777 \bidid@AtEndPreamble{%
1778 \if@bidi@perpage@footnote
1779 \RequirePackage{bidi-perpage}%
1780 \ResetCounterPerPage{footnote}%
1781 \fi
1782 \ifx\bidid@pdfencrypt@ownerpassword\bidid@empty
1783 \ifx\bidid@pdfencrypt@userpassword\bidid@empty
1784 \@bidi@pdfencryptfalse
1785 \else
1786 \@bidi@pdfencrypttrue
1787 \fi
1788 \else
1789 \@bidi@pdfencrypttrue
1790 \fi
1791 \if@bidi@pdfencrypt
1792 \special{pdf:encrypt
1793 userpw (\bidid@pdfencrypt@userpassword)
1794 ownerpw (\bidid@pdfencrypt@ownerpassword)
1795 length \bidid@pdfencrypt@keylength
1796 perm \bidid@pdfencrypt@permissionflags
1797 }%
1798 \fi
1799 }
1800 \AtEndDocument{%
1801 \special{pdf:%
1802 docinfo<<%
1803 \if@bidi@pdfm@mark
1804 /Creator(\@bidi@pdfcreator)%
1805 /Producer(\@bidi@pdfproducer)%
1806 \fi
1807 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1808 \if@bidi@csdef{xepersian@pdfcustomproperties}{%
1809 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
1810 }{}%

```



```

1811      >>%
1812    }%
1813 }

```

## 15 File `bidi.tex`

```

1814 \def\bididate{2019/10/19}
1815 \catcode`\@=11
1816 \def\bidi@version{35.10}
1817 \let \protect \relax
1818 \newlinechar`\^^J
1819 \edef\@bidi@info{*****^^J%
1820 * ^^J%
1821 * bidi package (Bidirectional typesetting in^^J%
1822 * plain TeX and LaTeX, using XeTeX engine)^^J%
1823 * ^^J%
1824 * Description: A convenient interface for^^J%
1825 * typesetting bidirectional texts in plain TeX^^J%
1826 * and LaTeX. The package includes adaptations^^J%
1827 * for use with many other commonly-used packages.^^J%
1828 * ^^J%
1829 * Copyright (c) 2009--2019 Vafa Khalighi^^J%
1830 * ^^J%
1831 * v\bidi@version, \bididate^^J%
1832 * ^^J%
1833 * License: LaTeX Project Public License, version^^J%
1834 * 1.3c or higher (your choice)^^J%
1835 * ^^J%
1836 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1837 * ^^J%
1838 * Issue tracker: https://github.com/vafa-ac/bidi/issues^^J%
1839 * ^^J%
1840 *****}
1841 \message{\@bidi@info}
1842 \edef\bidi@everyjob{\the\everyjob}
1843 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1844 \def\bidi@version{%
1845   \relax
1846   \ifmmode
1847     \bidi@version
1848   \else
1849     $\bidi@version$
1850   \fi
1851 }
1852 \input iftex.sty
1853 \RequireXeTeX
1854 \newif\if@bidi@pdfm@mark
1855 \newif\if@RTLmain
1856 \newif\if@RTL
1857 \newif\if@hboxRconstruct

```



```

1858 \newif\if@sentsdir
1859 \newif\if@RTL@footnote
1860 \RTLmainfalse
1861 \def\setRTLmain{%
1862   \if@RTLmain\else
1863     \if@RTL\@RTLmaintrue%
1864     \else\@RTLmainfalse%
1865     \fi%
1866   \fi%
1867 }
1868 \let\n@xt=\
1869 \protected\def\LRE{\protect\pLRE}%
1870 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1871 \protected\def\RLE{\protect\pRLE}
1872 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1873 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1874   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1875 \newinsert\@bidi@copyins@
1876 \skip\@bidi@copyins@=12\p@
1877 \dimen\@bidi@copyins@=40pc
1878 \count\@bidi@copyins@=1000
1879 \def\@bidi@inslogo@{\insert\@bidi@copyins@\@bidi@logo@}
1880 \def\@bidi@logo@hb@xt@{%
1881   \if@RTLmain
1882     \hboxR to
1883   \else
1884     \hboxL to
1885   \fi
1886 }
1887 \def\@bidi@logo#1{%
1888   \toks@{%
1889     \setbox\z@\hbox{%
1890       \special{%
1891         pdf:image width 50pt height 50pt (#1)%
1892       }
1893     }%
1894     \dp\z@\z@
1895     \ht\z@=50pt
1896     \wd\z@=50pt
1897     \beginL
1898       \lower20pt\box\z@
1899     \endL
1900   }%
1901   \the\toks@
1902 }
1903 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@logo@}}
1904 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
1905 \def\@bidi@pdfcreator{%
1906   The bidi package, v\@bidi@version, \@bidi@date
1907 }

```



```

1908 \def\@bidi@pdfproducer{%
1909   The bidi package, v\@bidi@version, \@bidi@date
1910 }
1911 \def\@bidi@pdfcustomproperties{%
1912   This is the bidi package, Version \@bidi@version,
1913   Released June 14, 2019.
1914 }
1915 \def\@bidi@pdfmark{%
1916   \special{pdf:
1917     docinfo<<%
1918       \if\@bidi@pdfmark
1919         /Creator(\@bidi@pdfcreator)%
1920         /Producer(\@bidi@pdfproducer)%
1921       \fi
1922       /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1923     >>%
1924   }%
1925 }
1926 \def\@bidi@pdfinfoon{\@bidi@pdfmarktrue}
1927 \def\@bidi@pdfinfooff{\@bidi@pdfmarkfalse}
1928 \input plain-xetex-bidi.def
1929 \@bidi@inslogo@
1930 \outer\def\bye{\par\vfill\supereject\@bidi@pdfmark\end}
1931 \catcode\@=12
1932 \bidi@pdfinfoon

```

## 16 File bidi2in1.sty

```

1933 \NeedsTeXFormat{LaTeX2e}
1934 \ProvidesPackage{bidi2in1}
1935 \pagestyle{plain}
1936 \newcount\evenpage
1937 \newcount\oddpage
1938 \twocolumn
1939 \def\@oddfoot{\evenpage=\the\page%
1940 \multiply\evenpage by 2%
1941 \oddpage=\the\evenpage%
1942 \advance\oddpage by -1%
1943 \hfil\the\evenpage\hfil\hfil\the\oddpage\hfil}%
1944 \def\@evenfoot{\evenpage=\the\page%
1945 \multiply\evenpage by 2%
1946 \oddpage=\the\evenpage%
1947 \advance\oddpage by -1%
1948 \hfil\the\oddpage\hfil\hfil\the\evenpage\hfil}%
1949 \textwidth 9.49in
1950 \textheight 6.7in
1951 \columnsep 0.9in
1952 \columnseprule 0.125pt
1953 \headheight 0cm
1954 \topmargin 0in

```



```

1955 \marginparwidth 0in
1956 \marginparsep 0in
1957 \hoffset 0.05in % Corrected
1958 \voffset -0.5in %top margin space is 1.0in by default
1959 \oddsidemargin 0in
1960 \evensidemargin 0in
1961 \headsep 0cm
1962 \topskip 0cm
1963 \parskip 0.15in      %
1964 \headsep 0pt
1965 \special{papersize=11.69in,8.26in}
1966 \renewcommand\maketitle{\par
1967 \begingroup
1968 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1969 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1970 \long\def\@makefntext##1{\parindent 1em\noindent
1971 \hb@xt@1.8em{%
1972 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1973 \@maketitle
1974 \@thanks
1975 \endgroup
1976 \setcounter{footnote}{0}%
1977 \global\let\thanks\relax
1978 \global\let\maketitle\relax
1979 \global\let\@maketitle\relax
1980 \global\let\@thanks\@empty
1981 \global\let\@author\@empty
1982 \global\let\@date\@empty
1983 \global\let\@title\@empty
1984 \global\let\title\relax
1985 \global\let\author\relax
1986 \global\let\date\relax
1987 \global\let\and\relax
1988 }

```

## 17 File bidicode.sty

```

1989 \NeedsTeXFormat{LaTeX2e}
1990 \ProvidesPackage{bidicode}
1991 \RequirePackage{xcolor}
1992 \RequirePackage{showexpl}
1993 \definecolor{hellgelb}{rgb}{1,1,0.85}
1994 \definecolor{colKeys}{rgb}{0,0,1}
1995 \definecolor{colIdentifier}{rgb}{0,0,0}
1996 \definecolor{colComments}{rgb}{1,0,0}
1997 \definecolor{colString}{rgb}{0,0.5,0}
1998 \lstset{
1999     language=[LaTeX]TEX,
2000     float=hb,
2001     basicstyle=\ttfamily\small,

```



```

2002   identifierstyle=\color{colIdentifier},
2003   keywordstyle=\color{colKeys},
2004   stringstyle=\color{colString},
2005   commentstyle=\color{colComments},
2006   backgroundcolor=\color{hellgelb},
2007   columns=flexible,
2008   tabsize=4,
2009   extendedchars=true,
2010   showspace=false,
2011   showstringspaces=false,
2012   numbers=left,
2013   numbersep=0.9em,
2014   numberstyle=\tiny, %
2015   frame=single,
2016   captionpos=b,
2017   xleftmargin=1em,
2018   breaklines=true,
2019   breakautoindent=false,
2020   breakindent=0pt,
2021   escapeinside=**,
2022   pos=r,
2023   explpreset={%
2024   xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2025   morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
2026 }
2027 \newcommand\HLON{%
2028   \gdef\lst@alloverstyle##1{%
2029     \fboxrule=0pt
2030     \fboxsep=0pt
2031     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2032   }}
2033 \newcommand\HLOFF{%
2034   \xdef\lst@alloverstyle##1{##1}%
2035 }
2036 \newcommand\Larg [1]{\{\normalfont\itshape#1/\}}
2037 \newcommand\Larga[1]{\$\angle$\Larg{#1}$\rangle$}
2038 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2039 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2040 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2041 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{}\begin\lcb#1\rcb\}}
2042 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}\end\lcb#1\rcb\}}
2043
2044 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2045 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
2046 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
2047 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}
2048 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
2049 \DeclareRobustCommand\lrb{\normalfont\ttfamily(}
2050 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}
2051

```



```

2052 \def\Lcs#1{\nxLcs{#1}}
2053 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2054 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2055
2056 \def\Coordx#1{$x_{#1}$}
2057 \def\Coordy#1{$y_{#1}$}
2058 \def\Coordz#1{$z_{#1}$}
2059 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2060 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2061 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2062 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
2063 \def\CIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
2064 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2065 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2066 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2067 \def\coordx#1{($x_{#1}$)}
2068 \def\coordy#1{($y_{#1}$)}
2069 \def\coordz#1{($z_{#1}$)}
2070 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
2071 \def\ciiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
2072
2073 \newsavebox{\boxdef}
2074 \newenvironment{BDef}
2075   {\begin{lrbox}\boxdef
2076     \def\arraystretch{1.0}
2077     \begin{tabular}{@{}l@{}l@{}l@{}}
2078   }
2079   {\end{tabular}\end{lrbox}}
2080
2081   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2082   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2083 }
2084
2085 \newenvironment{BDef*}
2086   {\begin{lrbox}\boxdef
2087     \def\arraystretch{1.0}
2088     \begin{tabular}{@{}l@{}l@{}l@{}}
2089   }
2090   {\end{tabular}\end{lrbox}}
2091   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2092   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2093 }
2094 \newenvironment{BCmd}{
2095   \@beginparpenalty-\@lowpenalty
2096   \topsep\BDefaboveskip
2097   \fbboxsep3pt
2098   \flushleft}
2099   {\@endparpenalty\@M
2100   \@topsepadd\BDefbelowskip
2101   \endflushleft}

```



```

2102
2103 \newenvironment{BCmd*}{
2104   \@beginparpenalty\@M
2105   \topsep\BDefinelineskip
2106   \fbboxsep3pt
2107   \flushleft}
2108 {\@endparpenalty5000
2109   \endflushleft}
2110
2111 \newskip\BDefaboveskip
2112 \newskip\BDefbelowskip
2113 \newskip\BDefinelineskip
2114 \setlength\BDefaboveskip{10pt plus 4pt}
2115 \setlength\BDefbelowskip{6pt}
2116 \setlength\BDefinelineskip{6pt}
2117
2118 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2119 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2120 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2121 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

## 18 File bidiftnxtra.sty

```

2122 \NeedsTeXFormat{LaTeX2e}
2123 \ProvidesPackage{bidiftnxtra}
2124 \newtoks\bidip@ftn
2125 \let\FN@sffootnote\footnote
2126 \let\FN@sffootnote@L\footnote
2127 \let\FN@sffootnote@R\footnote
2128 \def\footnote{\ifx\protect\@typeset@protect
2129   \expandafter\FN@sffootnote
2130   \else
2131     \expandafter\FN@sffootnote@opt
2132   \fi
2133 }
2134 \def\footnote@L{\ifx\protect\@typeset@protect
2135   \expandafter\FN@sffootnote@L
2136   \else
2137     \expandafter\FN@sffootnote@opt
2138   \fi
2139 }
2140 \def\footnote@R{\ifx\protect\@typeset@protect
2141   \expandafter\FN@sffootnote@R
2142   \else
2143     \expandafter\FN@sffootnote@opt
2144   \fi
2145 }
2146 \edef\FN@sffootnote@opt{\noexpand\protect
2147   \expandafter\noexpand\csname FN@sffootnote@opt \endcsname}
2148 \expandafter\def\csname FN@sffootnote@opt \endcsname{%

```





```

2149 \@ifnextchar[%]
2150 \FN@sfgobble@twobrace
2151 \gobble
2152 }
2153 \def\FN@sfgobble@twobrace[#1]#2{
2154 \let\FN@sfgobble@footnotemark\footnotemark
2155 \def\footnotemark{\ifx\protect\@typeset@protect
2156 \expandafter\FN@sfgobble@footnotemark
2157 \else
2158 \expandafter\FN@sfgobble@optonly
2159 \fi
2160 }
2161 \edef\FN@sfgobble@optonly{\noexpand\protect
2162 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2163 \expandafter\def\csname FN@sfgobble@optonly \endcsname{
2164 \@ifnextchar[%]
2165 \FN@sfgobble@brace
2166 }%
2167 }
2168 \def\FN@sfgobble@brace[#1]{
2169 \def\@tabular{%
2170 \leavevmode \hbox \bgroup
2171 \let\@footnotetext\@footnotetext
2172 \let\@LTRfootnotetext\@LTRfootnotetext
2173 \let\@RTLfootnotetext\@RTLfootnotetext
2174 \let\@xfootnotetext\@xfootnotetext
2175 \let\@xfootnote\@xfootnote
2176 \let\@xLTRfootnotetext\@xLTRfootnotetext
2177 \let\@xLTRfootnote\@xLTRfootnote
2178 \let\@xRTLfootnotetext\@xRTLfootnotetext
2179 \let\@xRTLfootnote\@xRTLfootnote
2180 \if@RTLtab\beginR \fi
2181 $\let\@acol\@tabacol
2182 \let\@classz\@tabclassz
2183 \let\@classiv\@tabclassiv \let\@tabularcr\@tabarray}
2184 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2185 \egroup $\if@RTLtab\endR\fi\egroup
2186 \ifx\@capttype\@undefined
2187 \global\@footnotetext\expandafter{\expandafter}\the\@footnotetext\fi}
2188 \long\def\@footnotetext#1{%
2189 \edef\@tempy{\the\@footnotetext\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2190 \global\@footnotetext\expandafter{\@tempy{#1}}}%
2191 \long\def\@LTRfootnotetext#1{%
2192 \edef\@tempyi{\the\@footnotetext\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2193 \global\@LTRfootnotetext\expandafter{\@tempyi{#1}}}%
2194 \long\def\@RTLfootnotetext#1{%
2195 \edef\@tempyii{\the\@footnotetext\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2196 \global\@RTLfootnotetext\expandafter{\@tempyii{#1}}}%
2197
2198

```



```

2199 \long\def\bidip@xftntext[#1]#2{%
2200   \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}
2201
2202 \long\def\bidip@xLTRftntext[#1]#2{%
2203   \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}
2204
2205 \long\def\bidip@xRTLftntext[#1]#2{%
2206   \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}
2207
2208
2209 \def\bidip@xfootnote[#1]{%
2210   \begingroup
2211     \csname c@\mpfn\endcsname #1\relax
2212     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2213   \endgroup
2214   \@footnotemark\bidip@xftntext[#1]}
2215
2216
2217 \def\bidip@xLTRfootnote[#1]{%
2218   \begingroup
2219     \csname c@\mpfn\endcsname #1\relax
2220     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2221   \endgroup
2222   \@footnotemark\bidip@xLTRftntext[#1]}
2223
2224
2225 \def\bidip@xRTLfootnote[#1]{%
2226   \begingroup
2227     \csname c@\mpfn\endcsname #1\relax
2228     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2229   \endgroup
2230   \@footnotemark\bidip@xRTLftntext[#1]}
2231
2232 \def\@xfloat #1[#2]{%
2233   \@nodoocument
2234   \def \@capttype {#1}%
2235   \def \@fps {#2}%
2236   \@onelevel@sanitize \@fps
2237   \def \reserved@b {!}%
2238   \ifx \reserved@b \@fps
2239     \@fpsadddefault
2240   \else
2241     \ifx \@fps \@empty
2242       \@fpsadddefault
2243     \fi
2244   \fi
2245   \ifhmode
2246     \@bsphack
2247     \@floatpenalty -\@Mii
2248   \else

```



```

2249     \@floatpenalty-\@Miii
2250   \fi
2251 \ifinner
2252   \@parmoderr\@floatpenalty\z@
2253 \else
2254   \@next\@currbox\@freelist
2255   {%
2256     \@tempcnta \sixt@@n
2257     \expandafter \@tfor \expandafter \reserved@a
2258       \expandafter :\expandafter =\@fps
2259     \do
2260     {%
2261       \if \reserved@a h%
2262         \ifodd \@tempcnta
2263         \else
2264           \advance \@tempcnta \@ne
2265         \fi
2266       \fi
2267       \if \reserved@a t%
2268         \@setfpsbit \tw@
2269       \fi
2270       \if \reserved@a b%
2271         \@setfpsbit 4%
2272       \fi
2273       \if \reserved@a p%
2274         \@setfpsbit 8%
2275       \fi
2276       \if \reserved@a !%
2277         \ifnum \@tempcnta>15
2278           \advance\@tempcnta -\sixt@@n\relax
2279         \fi
2280       \fi
2281     }%
2282     \@tempcntb \csname ftype@\@capttype \endcsname
2283     \multiply \@tempcntb \@xxxii
2284     \advance \@tempcnta \@tempcntb
2285     \global \count\@currbox \@tempcnta
2286   }%
2287 \@fltovf
2288 \fi
2289 \global \setbox\@currbox
2290   \color@vbox
2291   \normalcolor
2292   \vbox \bgroup
2293     \let\@footnotetext\@bidi@p@ftntext
2294     \let\@LTRfootnotetext\@bidi@p@LTRftntext
2295     \let\@RTLfootnotetext\@bidi@p@RTLftntext
2296     \let\@xfootnotenext\@bidi@p@xftntext
2297     \let\@xfootnote\@bidi@p@xfootnote
2298     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext

```



```

2299      \let\@xLTRfootnote\@xLTRfootnote
2300      \let\@xRTLfootnotenext\@xRTLftntext
2301      \let\@xRTLfootnote\@xRTLfootnote
2302      \hsize\columnwidth
2303      \@parboxrestore
2304      \@floatboxreset
2305 }
2306 \def \@endfloatbox{%
2307     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2308     \@minipagefalse
2309     \outer@nobreak
2310     \egroup                %% end of vbox
2311     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2312     \color@endbox
2313 }

```

## 19 File `bidimoderncv.cls`

```

2314 \NeedsTeXFormat{LaTeX2e}
2315 \ProvidesClass{bidimoderncv}
2316 \newif\if@DEBUG\@DEBUGfalse
2317 \DeclareOption{a4paper}{
2318     \setlength\paperheight{297mm}
2319     \setlength\paperwidth{210mm}}
2320 \DeclareOption{a5paper}{
2321     \setlength\paperheight{210mm}
2322     \setlength\paperwidth{148mm}}
2323 \DeclareOption{b5paper}{
2324     \setlength\paperheight{250mm}
2325     \setlength\paperwidth{176mm}}
2326 \DeclareOption{letterpaper}{
2327     \setlength\paperheight{11in}
2328     \setlength\paperwidth{8.5in}}
2329 \DeclareOption{legalpaper}{
2330     \setlength\paperheight{14in}
2331     \setlength\paperwidth{8.5in}}
2332 \DeclareOption{executivepaper}{
2333     \setlength\paperheight{10.5in}
2334     \setlength\paperwidth{7.25in}}
2335 \DeclareOption{landscape}{
2336     \setlength\@tempdima{\paperheight}
2337     \setlength\paperheight{\paperwidth}
2338     \setlength\paperwidth{\@tempdima}}
2339 \newcommand\@ptsize{}
2340 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2341 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2342 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2343 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2344 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2345 \newif\if@colour\@colourtrue

```



```

2346 \DeclareOption{nocolour}{\@colourfalse}
2347 \ExecuteOptions{a4paper,11pt,colour,final}
2348 \ProcessOptions\relax
2349 \input{size1\@ptsize.clo}
2350 \RequirePackage{color}
2351 \RequirePackage{graphicx}
2352 \RequirePackage{ifthen}
2353 \RequirePackage{marvosym}
2354 \addtolength{\oddsidemargin}{-54pt}
2355 \addtolength{\textwidth}{109pt}
2356 \addtolength{\topmargin}{-70pt}
2357 \addtolength{\textheight}{122pt}
2358 \addtolength{\marginparsep}{-5pt}
2359 \addtolength{\marginparwidth}{-10pt}
2360 \RequirePackage{url}
2361 \RequirePackage{hyperref}
2362 \hypersetup{%
2363   breaklinks,
2364   baseurl      = http://,%
2365   pdfborder    = 0 0 0,%
2366   pdfpagemode  = UseNone,%
2367   pdfstartpage = 1}
2368 \AtEndOfClass{%
2369   \AtBeginDocument{%
2370     \hypersetup{%
2371       pdfauthor   = \@firstname-\@familyname,%
2372       pdftitle    = \@title,%
2373       pdfsubject  = \@firstname-\@familyname,%
2374       pdfkeywords = \@resumename~\@firstname-\@familyname}}}
2375 \urlstyle{tt}
2376 \RequirePackage{fancyhdr}
2377 \fancypagestyle{plain}{%
2378   \renewcommand{\headrulewidth}{0pt}
2379   \renewcommand{\footrulewidth}{0pt}
2380   \fancyhf{}}
2381 \pagestyle{plain}
2382 \setlength\lineskip{1\p@}
2383 \setlength\normallineskip{1\p@}
2384 \renewcommand\baselinestretch{}
2385 \setlength{\parindent}{0pt}
2386 \setlength{\parskip}{0pt}
2387 \setlength\columnsep{10\p@}
2388 \setlength\columnseprule{0\p@}
2389 \pagestyle{empty}
2390 \pagenumbering{arabic}
2391 \raggedbottom
2392 \onecolumn
2393 \providecommand*\listitemsymbol{\textbullet}
2394 \providecommand*\addresssymbol{}
2395 \providecommand*\mobilesymbol{\Mobilefone}

```



```

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

```



```

2446 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2447 \newlength{\maincolumnwidth}
2448 \newlength{\doubleitemmaincolumnwidth}
2449 \newlength{\listitemsymbolwidth}
2450 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2451 \newlength{\listitemmaincolumnwidth}
2452 \newlength{\listdoubleitemmaincolumnwidth}
2453 \newcommand*{\recomputethemelengths}{}
2454 \newcommand*{\recomputelengths}{%
2455 \setlength{\quotewidth}{0.65\textwidth}%
2456 \setlength{\maincolumnwidth}{\textwidth}%
2457 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2458 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2459 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2460 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2461 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2462 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2463 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2464 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2465 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2466 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2467 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2468 \renewcommand{\headwidth}{\textwidth}%
2469 \recomputethemelengths}
2470 \setlength{\hintscolumnwidth}{0.15\textwidth}
2471 \recomputelengths
2472 \title{}
2473 \renewcommand*{\maketitle}{}
2474 \newcommand*{\section}[1]{%
2475 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2476 \phantomsection}%
2477 \addcontentsline{toc}{part}{#1}%
2478 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}
2479 \hspace{\separatorcolumnwidth}%
2480 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@{1ex}}
2481 \newcommand*{\subsection}[1]{%
2482 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2483 \newcommand*{\cvline}[3][.25em]{%
2484 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2485 \bidi@raggedleft\hintfont{#2} &{#3}%
2486 \end{tabular}\@{#1}}
2487 \newcommand*{\cvdoubleitem}[4]{%
2488 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2489 \hfill%
2490 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2491 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}%
2492 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}%
2493 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}%
2494 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2495 \hfill%

```



```

2496 \ifthenelse{\equal{#3}{}}%
2497 {}%
2498 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth#3\end{minipage}}}%
2499 \newcommand*{\cventry}[6]{%
2500 \cvline{#1}{%
2501 {\bfseries#2}%
2502 \ifx#3\else{, {\slshape#3}}\fi%
2503 \ifx#4\else{, #4}\fi%
2504 \ifx#5\else{, #5}\fi%
2505 .%
2506 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2507 }%
2508 \newcommand*{\cvlanguage}[3]{%
2509 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\small#3\end{minipage}}}%
2510 \newcommand*{\cvcomputer}[4]{%
2511 \cdoubleitem{#1}{\small#2}{#3}{\small#4}}
2512 \newcommand*{\link}[2][ ]{%
2513 \ifthenelse{\equal{#1}{}}%
2514 {\href{#2}{#2}}%
2515 {\href{#2}{#1}}}
2516 \newcommand*{\httplink}[2][ ]{%
2517 \ifthenelse{\equal{#1}{}}%
2518 {\href{http://#2}{#2}}%
2519 {\href{http://#2}{#1}}}
2520 \newcommand*{\emailink}[2][ ]{%
2521 \ifthenelse{\equal{#1}{}}%
2522 {\href{mailto:#2}{#2}}%
2523 {\href{mailto:#2}{#1}}}
2524 \newif\if@displaypagenumbers\@displaypagenumberstrue
2525 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2526 \AtBeginDocument{%
2527 \if@displaypagenumbers%
2528 \ifundefined{r@lastpage}{-}{%
2529 \ifthenelse{\pageref{lastpage} > 1}{%
2530 \fancypagestyle{plain}{%
2531 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL\endL\pageref{lastpage}}%
2532 \pagestyle{plain}}}%
2533 \AtEndDocument{\label{lastpage}}%
2534 \fi}
2535 \newlength{\bibindent}
2536 \setlength{\bibindent}{1.5em}
2537 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2538 \newenvironment{thebibliography}[1]{%
2539 {%
2540 \section{\refname}%
2541 \small%
2542 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2543 \bidi@thebibliography@font@hook%
2544 \begin{list}{\bibliographyitemlabel}%
2545 {%

```





```

2546 \setlength{\topsep}{0pt}%
2547 \setlength{\labelwidth}{\hintscolumnwidth}%
2548 \setlength{\labelsep}{\separatorcolumnwidth}%
2549 \leftmargin\labelwidth%
2550 \advance\leftmargin\labelsep%
2551 \@openbib@code%
2552 \usecounter{enumiv}%
2553 \let\p@enumiv\@empty%
2554 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2555 \sloppy\clubpenalty4000\widowpenalty4000%
2556 }%
2557 {%
2558 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2559 \end{list}%
2560 }
2561 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2562 \let\@openbib@code\@empty

```

## 20 File bidi-perpage.sty

```

2563 \NeedsTeXFormat{LaTeX2e}
2564 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
2565 \newcount\bidi@page@count
2566 \bidi@page@count\@ne
2567 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
2568 \if@bidi@csundef\bidi@stepcounterhook@@#2}{%
2569 \expandafter\gdef\csname bidi@stepcounterhook@@#2\endcsname{%
2570 }}%
2571 \if@bidi@csundef{\if@bidi@reset@#2@rerun}{%
2572 \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
2573 }}%
2574 \if@bidi@csundef\bidi@#2@count}{%
2575 \expandafter\newcount\csname bidi@#2@count\endcsname
2576 }}%
2577 \csname bidi@#2@count\endcsname\z@
2578 \if@bidi@csundef\bidi@previous@page@@#2@count}{%
2579 \expandafter\newcount\csname
2580 bidi@previous@page@@#2@count\endcsname
2581 }}%
2582 \csname bidi@previous@page@@#2@count\endcsname\z@
2583 \if@bidi@csundef\bidi@reset@#2@perpage}{%
2584 \bidi@AfterEndDocumentCheckLabelsRerun{%
2585 \csname if@bidi@reset@#2@rerun\endcsname
2586 \PackageWarningNoLine{bidi-perpage}{%
2587 Counter `#2' may not have been reset per page.
2588 Rerun to reset counter `#2' per page%
2589 }%
2590 \fi
2591 }%
2592 }%

```



```

2593 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
2594   \global\advance\csname bidi@#2@count\endcsname\@ne
2595   \if@filesw
2596     \edef\@tempa{%
2597       \write\auxout{%
2598         \string\bidi@counter@page{#2}%
2599         {\number\csname bidi@#2@count\endcsname}%
2600         {\noexpand\number\noexpand\bidi@page@count}%
2601       }%
2602     }%
2603     \@tempa
2604   \fi
2605   \begingroup\expandafter\expandafter\expandafter\endgroup
2606   \expandafter\ifx\csname bidi@#2@@\number\csname
2607     bidi@#2@count\endcsname\endcsname\relax
2608     \global\csname @bidi@reset@#2@reruntrue\endcsname
2609   \else
2610     \global\csname @bidi@reset@#2@rerunfalse\endcsname
2611     \expandafter\@tempcnta\csname bidi@#2@@\number
2612     \csname bidi@#2@count\endcsname\endcsname\relax
2613     \ifnum\@tempcnta=\csname
2614       bidi@previous@page@@#2@count\endcsname
2615     \else
2616       \global\csname
2617         bidi@previous@page@@#2@count\endcsname\@tempcnta
2618       \global\csname c@#2\endcsname#1\relax
2619     \fi
2620   \fi
2621 }%
2622 \expandafter\bidi@gappto\csname
2623 bidi@stepcounterhook@@#2\endcsname{%
2624   \csname bidi@reset@#2@perpage\endcsname
2625 }%
2626 }
2627 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@@#2}{#3}}
2628 \bidi@AtEndOutputPage{%
2629   \global\advance\bidi@page@count\@ne
2630 }

```

## 21 File `biditools.sty`

```

2631 \NeedsTeXFormat{LaTeX2e}
2632 \ProvidesPackage{biditools}[2019/10/19 v1.10 Programming tools for bidi package]
2633 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar``\relax
2634   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2635   \ifx\@tempa\@tempb \global\let#2#1%
2636   \else
2637     \edef\@tempb{\meaning#2}%
2638     \ifx\@tempa\@tempb
2639     \else

```



```

2640     \@latex@error{Unable to properly define \string#2; primitive
2641     \noexpand#1no longer primitive}\@eha
2642     \fi
2643 \fi
2644 \endgroup}
2645 \newtoks\@bidi@envbody
2646 \newtoks\@bidi@emptytoks
2647 \def\@bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2648 \def\@bidi@collect@body#1{%
2649   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2650 \edef\@bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}}%
2651 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2652 \begingroup
2653 \expandafter\let\csname\@currenvir\endcsname\@bidi@collect@body
2654 \edef\@bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2655 \@bidi@process@envbody
2656 }
2657 \def\@bidi@push@begins#1\begin#2{%
2658   \ifx\end#2\else b\expandafter\@bidi@push@begins\fi
2659 }
2660 \def\@bidi@collect@@body#1\end#2{%
2661   \edef\begin@bidi@stack{\@bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2662   \ifx\@empty\begin@bidi@stack
2663     \endgroup
2664     \@checkend{#2}%
2665     \@bidi@addto@envbody{#1}%
2666   \else
2667     \@bidi@addto@envbody{#1\end{#2}}}%
2668 \fi
2669 \@bidi@process@envbody % A little tricky! Note the grouping
2670 }
2671 \long\def\@bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2672 \long\def\@bidi@collect@long@body#1{%
2673   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2674 \edef\@bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}}%
2675 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2676 \begingroup
2677 \expandafter\let\csname\@currenvir\endcsname\@bidi@collect@long@@body
2678 \edef\@bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2679 \@bidi@process@envbody
2680 }
2681 \long\def\@bidi@push@long@begins#1\begin#2{%
2682   \ifx\end#2\else b\expandafter\@bidi@push@long@begins\fi
2683 }
2684 \long\def\@bidi@collect@long@@body#1\end#2{%
2685   \edef\begin@bidi@stack{\@bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2686   \ifx\@empty\begin@bidi@stack
2687     \endgroup
2688     \@checkend{#2}%
2689     \@bidi@addto@long@envbody{#1}%

```



```

2690 \else
2691 \bidi@addto@long@envbody{#1\end{#2}}%
2692 \fi
2693 \bidi@process@envbody % A little tricky! Note the grouping
2694 }
2695 \long\def\bidi@new@ifnextchar#1#2#3{%
2696 \let\reserved@d= #1%
2697 \def\reserved@a{#2}\def\reserved@b{#3}%
2698 \futurelet\@let@token\bidi@new@ifnch
2699 }
2700 \def\bidi@new@ifnch{%
2701 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2702 \reserved@b
2703 }
2704 \def\bidi@matrix@check#1{%
2705 \expandafter\ifx\csname\@currentenv\endcsname#1%
2706 \else\bidi@matrix@error#1%
2707 \expandafter\@gobble
2708 \fi
2709 }
2710 \def\bidi@matrix@error#1{%
2711 \PackageError{biditools}{%
2712 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2713 }{%
2714 '\string#1{...}' is old bidi package syntax whose use is
2715 ill-advised in the old versions of bidi package.%
2716 }%
2717 }
2718 \def\@tagsextension{clo}
2719 \def\@definitionfileextension{def}
2720 \def\@texfileextension{tex}
2721 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2722 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2723 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2724 \def\eqnewif#1#2{%
2725 \count@\escapechar \escapechar@m@ne
2726 \let#1\iffalse
2727 \let#2\iffalse
2728 \eq@if#1#2\iftrue
2729 \eq@if#1#2\iffalse
2730 \escapechar\count@}
2731 \def\eq@if#1#2#3{%
2732 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2733 \expandafter\@gobbletwo\string#3\endcsname
2734 {\let#1#3%
2735 \let#2#3}%
2736 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2737 \expandafter\@gobbletwo\string#3\endcsname
2738 {\let#2#3%
2739 \let#1#3}}

```



```

2740 \newcommand*{\SetBoolean}[2]{%
2741   \lowercase{\def\@tempa{#2}}%
2742   \@ifundefined{\tempswa\@tempa}%
2743     {\PackageError{biditools}%
2744       {You can only set a boolean to `true' or `false'}\@ehc}%
2745     {\@ifundefined{#1\@tempa}%
2746       {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2747       {\csname#1\@tempa\endcsname}}}
2748 \newcommand*{\GlobalSetBoolean}[2]{%
2749   \lowercase{\def\@tempa{#2}}%
2750   \@ifundefined{\tempswa\@tempa}%
2751     {\PackageError{biditools}%
2752       {You can only set a boolean to `true' or `false'}\@ehc}%
2753     {\@ifundefined{#1\@tempa}%
2754       {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2755       {\global\csname#1\@tempa\endcsname}}}
2756 \newcommand*{\SetatBoolean}[2]{%
2757   \lowercase{\def\@tempa{#2}}%
2758   \@ifundefined{\tempswa\@tempa}%
2759     {\PackageError{biditools}%
2760       {You can only set a boolean to `true' or `false'}\@ehc}%
2761     {\@ifundefined{@#1\@tempa}%
2762       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2763       {\csname @#1\@tempa\endcsname}}}
2764 \newcommand*{\GlobalSetatBoolean}[2]{%
2765   \lowercase{\def\@tempa{#2}}%
2766   \@ifundefined{\tempswa\@tempa}%
2767     {\PackageError{biditools}%
2768       {You can only set a boolean to `true' or `false'}\@ehc}%
2769     {\@ifundefined{@#1\@tempa}%
2770       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2771       {\global\csname @#1\@tempa\endcsname}}}
2772 \def\@bidi@removefromreset#1#2{%
2773   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2774   \def\@elt##1{%
2775     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2776       \else
2777         \noexpand\@elt{##1}%
2778       \fi}%
2779   \expandafter\xdef\csname cl@#2\endcsname{%
2780     \csname cl@#2\endcsname}}
2781 \newcommand*{\ifRtoL}{%
2782   \ifRTL
2783     \expandafter\@firstoftwo
2784   \else
2785     \expandafter\@secondoftwo
2786   \fi}
2787 \newcommand*{\ifLtoR}{%
2788   \ifRTL
2789     \expandafter\@secondoftwo

```



```

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

```



```

2840 \expandafter\@secondoftwo
2841 \fi}
2842 \newcommand*{\if@bidi@csundef}[1]{%
2843 \ifcsname#1\endcsname
2844 \expandafter\ifx\csname#1\endcsname\relax
2845 \expandafter\expandafter
2846 \expandafter\@firstoftwo
2847 \else
2848 \expandafter\expandafter
2849 \expandafter\@secondoftwo
2850 \fi
2851 \else
2852 \expandafter\@firstoftwo
2853 \fi}
2854 \newcommand{\if@bidi@def}[1]{%
2855 \ifdefined#1%
2856 \expandafter\@firstoftwo
2857 \else
2858 \expandafter\@secondoftwo
2859 \fi}
2860 \newcommand{\if@bidi@undef}[1]{%
2861 \ifdefined#1%
2862 \ifx#1\relax
2863 \expandafter\expandafter
2864 \expandafter\@firstoftwo
2865 \else
2866 \expandafter\expandafter
2867 \expandafter\@secondoftwo
2868 \fi
2869 \else
2870 \expandafter\@firstoftwo
2871 \fi}
2872 \newcommand{\if@bidi@blank}[1]{% from url.sty
2873 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2874 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2875 \newcommand{\bidi@notblank}[1]{%
2876 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2877 \newcommand{\if@bidi@defmacro}{%
2878 \long\edef\if@bidi@defmacro#1{%
2879 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2880 \noexpand\meaning#1\detokenize{macro}:&}
2881 \edef\bidi@ifdefmacro{%
2882 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2883 \bidi@ifdefmacro{\bidi@notblank{#2}}
2884 \newcommand*{\if@bidi@csmacro}[1]{%
2885 \if@bidi@csdef{#1}
2886 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2887 {\@secondoftwo}}
2888 \newcommand{\if@bidi@defprimitive}[1]{%
2889 \ifprimitive#1%

```



```

2890 \expandafter\@firstoftwo
2891 \else
2892 \expandafter\@secondoftwo
2893 \fi}
2894 \newcommand{\if@bidi@csprimitive}[1]{%
2895 \begingroup\expandafter\expandafter\expandafter\endgroup%
2896 \expandafter\ifprimitive\csname#1\endcsname%
2897 \expandafter\@firstoftwo
2898 \else
2899 \expandafter\@secondoftwo
2900 \fi}
2901 \newcommand*{\bidi@csdefcs}[2]{%
2902 \expandafter\@ifdefinable \csname#1\endcsname{%
2903 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2904 \newcommand*{\bidi@csletcs}[2]{%
2905 \expandafter\@ifdefinable \csname#1\endcsname{%
2906 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2907 \newcommand*{\bidi@cslet}[2]{%
2908 \expandafter\@ifdefinable \csname#1\endcsname{%
2909 \expandafter\let\csname#1\endcsname#2}}
2910 \newcommand{\bidi@namelongdef}[1]{%
2911 \long\expandafter\def\csname #1\endcsname}
2912 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2913 \def\bidi@ensure@new@command#1{%
2914 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2915 \expandafter\if@bidi@csundef\@gtempa
2916 {\new@command#1}{\relax%
2917 \let\@ifdefinable\@rc@ifdefinable%
2918 \new@command#1}}
2919 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2920
2921 \protected\def\bidi@error{\PackageError{bidi}}
2922 \protected\def\bidi@warning{\PackageWarning{bidi}}
2923 \protected\def\bidi@info{\PackageInfo{bidi}}
2924
2925
2926 \newcommand*{\setbaselineskip}[1]{%
2927 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
2928 \selectfont
2929 }
2930
2931
2932 \newcommand*{\bidi@newrobustcmd}{%
2933 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2934
2935 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2936
2937 \def\bidi@newcommand#1[#2]{%
2938 \@ifnextchar[%
2939 {\bidi@xargdef#1[#2]}

```





```

2940 {\ifx\l@ngrel@x\relax
2941 \let\l@ngrel@x\protected
2942 \else
2943 \protected\def\l@ngrel@x{\protected\long}%
2944 \fi
2945 \@argdef#1[#2]}}
2946
2947 \long\def\bidixargdef#1[#2][#3]#4{%
2948 \ifdefinable#1{%
2949 \expandafter\protected
2950 \expandafter\def
2951 \expandafter#1%
2952 \expandafter{%
2953 \expandafter\@testopt
2954 \csname\string#1\endcsname{#3}}}%
2955 \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}{#4}}}%
2956
2957 \bidixnewrobustcmd*{\bidixrenewrobustcmd}{\@star@or@long\bidixrenew@command}
2958
2959 \def\bidixrenew@command#1{%
2960 \if@bidix@undef{#1}
2961 {\bidix@error{\string#1 undefined}\@ehc}
2962 {}%
2963 \let\@ifdefinable\@rc@ifdefinable
2964 \bidixnew@command#1}
2965
2966
2967
2968 \bidixnewrobustcmd*{\bidixproviderobustcmd}{\@star@or@long\bidixprovide@command}
2969
2970 \def\bidixprovide@command#1{%
2971 \if@bidix@undef{#1}
2972 {\def\reserved@a{\bidixnew@command#1}}
2973 {\def\reserved@a{\bidixrenew@command\reserved@a}}%
2974 \reserved@a}
2975
2976 \newcommand*{\bidixcsuse}[1]{%
2977 \ifcsname#1\endcsname
2978 \csname#1\expandafter\endcsname
2979 \fi}
2980
2981 \newcommand{\bidixexpandonce}[1]{%
2982 \unexpanded\expandafter{#1}}
2983
2984 \def\bidixprotected{%
2985 \let\@@protect\protect
2986 \let\protect\@unexpandable@protect
2987 \afterassignment\restore@protect}
2988
2989 \bidixnewrobustcmd{\bidixappto}[2]{%

```



```

2990 \if@bidi@undef{#1}
2991   {\edef#1{\unexpanded{#2}}}
2992   {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2993 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2994   \if@bidi@undef{#1}
2995     {\edef#1{#2}}
2996     {\edef#1{\bidi@expandonce#1#2}}}
2997 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2998   \if@bidi@undef{#1}
2999     {\xdef#1{\unexpanded{#2}}}
3000     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3001 \bidi@newrobustcmd{\bidi@xappto}[2]{%
3002   \if@bidi@undef{#1}
3003     {\xdef#1{#2}}
3004     {\xdef#1{\bidi@expandonce#1#2}}}
3005
3006 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
3007 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
3008
3009
3010
3011 \bidi@newrobustcmd{\bidi@preto}[2]{%
3012   \if@bidi@undef{#1}
3013     {\edef#1{\unexpanded{#2}}}
3014     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3015 \bidi@newrobustcmd{\bidi@epreto}[2]{%
3016   \if@bidi@undef{#1}
3017     {\edef#1{#2}}
3018     {\edef#1{#2\bidi@expandonce#1}}}
3019 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
3020   \if@bidi@undef{#1}
3021     {\xdef#1{\unexpanded{#2}}}
3022     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3023 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
3024   \if@bidi@undef{#1}
3025     {\xdef#1{#2}}
3026     {\xdef#1{#2\bidi@expandonce#1}}}
3027
3028 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
3029 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
3030
3031
3032
3033 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
3034 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
3035 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
3036 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
3037 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
3038 \bidi@newrobustcmd*{\bidi@protected@csgappto}{\bidi@protected\bidi@csgappto}
3039

```



```

3040
3041
3042 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
3043 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
3044 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
3045 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
3046 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
3047 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
3048
3049
3050
3051 \bidi@newrobustcmd{\if@bidi@patchable}{%
3052   \bidi@dbg@trce\if@bidi@patchable
3053   \begingroup
3054   \@makeother\#%
3055   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
3056
3057 \long\def\bidi@ifpatchable#1#2{%
3058   \endgroup
3059   \bidi@dbg@init#1%
3060   \if@bidi@undef{#1}
3061     {\bidi@dbg@fail{def}\@secondoftwo}
3062     {\bidi@dbg@info{def}%
3063       \if@bidi@defmacro{#1}
3064         {\bidi@dbg@info{mac}%
3065           \bidi@ifscanable{#1}
3066             {\bidi@ifhashcheck{#2}
3067               {\bidi@dbg@info{tok}%
3068                 \bidi@ifpattern#1{#2}
3069                 {\bidi@dbg@info{pat}%
3070                   \bidi@dbg@info{pos}\@firstoftwo}
3071                   {\bidi@dbg@fail{pat}\@secondoftwo}}
3072                 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3073                 {\bidi@dbg@fail{tok}\@secondoftwo}}
3074                 {\bidi@dbg@fail{mac}\@secondoftwo}}}
3075
3076 \long\def\bidi@ifpatchable@i#1{%
3077   \endgroup
3078   \bidi@dbg@init#1%
3079   \if@bidi@undef{#1}
3080     {\bidi@dbg@fail{def}\@secondoftwo}
3081     {\bidi@dbg@info{def}%
3082       \if@bidi@defmacro{#1}
3083         {\bidi@dbg@info{mac}%
3084           \if@bidi@defparam{#1}
3085             {\bidi@dbg@info{prm}%
3086               \bidi@ifscanable{#1}
3087                 {\bidi@dbg@info{tok}%
3088                   \bidi@dbg@info{pos}\@firstoftwo}
3089                   {\bidi@dbg@fail{tok}\@secondoftwo}}

```



```

3090         {\bidi@dbg@info{prl}}%
3091         \if@bidi@defprotected{#1}
3092         {\bidi@dbg@info{pro}}
3093         }%
3094         \bidi@dbg@info{pos}\@firstoftwo}}
3095     {\bidi@dbg@fail{mac}\@secondoftwo}}
3096
3097 \bidi@newrobustcmd*{\bidi@patchcmd}{%
3098   \bidi@dbg@trce\bidi@patchcmd
3099   \begingroup
3100   \@makeother\#%
3101   \bidi@@patchcmd}
3102
3103 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3104   \bidi@ifpatchable#2{#3}
3105   {\bidi@dbg@succ{ret}}%
3106   \begingroup
3107   \edef\bidi@resrvda{%
3108     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3109       #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
3110     \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
3111       ####1\detokenize{#4}####2}%
3112     \edef\noexpand\bidi@resrvda{%
3113       \noexpand\bidi@resrvda\meaning#2&}}%
3114   \bidi@resrvda
3115   \bidi@patchcmd@scantoks\bidi@resrvda
3116   \let#2\bidi@resrvda
3117   \bidi@undef\bidi@resrvda
3118   \@firstoftwo}
3119   {\@secondoftwo}}
3120
3121 \def\bidi@patchcmd@scantoks#1{%
3122   \edef\bidi@resrvda{\endgroup
3123     \unexpanded{\makeatletter\scantokens}{#1}%
3124     \catcode\number`\@=\the\catcode`\@ \relax}%
3125   \bidi@resrvda}
3126
3127 \newcommand\bidi@isloaded[2][]{
3128   \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3129   \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3130   \fi
3131   \@ifpackageloaded{#2}
3132   {\csname @bidi@#2loaded@true\endcsname #1}
3133   {\csname @bidi@#2loaded@false\endcsname}}
3134
3135 \protected\def\bidi@ifscanable#1{%
3136   \begingroup
3137   \edef\bidi@resrvda{%
3138     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3139       ####1\def\string\bidi@resrvda####2{####3}}%

```



```

3140 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3141 \bidi@resrvda
3142 \makeatletter
3143 \scantokens\expandafter{\bidi@resrvda}%
3144 \expandafter\endgroup\ifx#1\bidi@resrvda
3145 \expandafter\@firstoftwo
3146 \else
3147 \expandafter\@secondoftwo
3148 \fi}
3149
3150
3151 \protected\long\def\bidi@ifhashcheck#1{%
3152 \begingroup
3153 \edef\bidi@resrvda{\detokenize{#1}}%
3154 \expandafter\endgroup
3155 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3156
3157 \edef\bidi@ifhashcheck@i#1&{%
3158 \noexpand\expandafter
3159 \noexpand\bidi@ifhashcheck@ii
3160 \noexpand\strip@prefix#1\string#\string#&}
3161
3162 \edef\bidi@ifhashcheck@ii{%
3163 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
3164 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3165
3166
3167 \protected\long\def\bidi@ifpattern#1#2{%
3168 \begingroup
3169 \edef\bidi@resrvda{%
3170 \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3171 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3172 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3173 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3174 \noexpand\bidi@resrvda}
3175 \bidi@resrvda\@secondoftwo\@firstoftwo}
3176
3177
3178 \newcommand{\if@bidi@defparam}{%
3179 \long\edef\if@bidi@defparam#1{%
3180 \noexpand\expandafter\noexpand\bidi@ifdefparam
3181 \noexpand\meaning#1\detokenize{macro}:->&}
3182 \edef\bidi@ifdefparam{%
3183 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3184 \bidi@ifdefparam{\bidi@notblank{#2}}
3185
3186
3187 \newcommand{\if@bidi@defprotected}{%
3188 \long\edef\if@bidi@defprotected#1{%
3189 \noexpand\expandafter\noexpand\bidi@ifdefprotected

```



```

3190 \noexpand\meaning#1\string\protected&}
3191 \edef\bidibid@ifdefprotected{%
3192 \def\noexpand\bidibid@ifdefprotected##1\string\protected##2&}
3193 \bidibid@ifdefprotected{\bidibid@notblank{#2}}
3194
3195
3196 \bidibid@newrobustcmd{\bidibid@undef}[1]{\let#1\bidibid@undefined}
3197
3198 \let\bidibid@dbg@trce\@gobble
3199 \let\bidibid@dbg@init\@gobble
3200 \let\bidibid@dbg@info\@gobble
3201 \let\bidibid@dbg@succ\@gobble
3202 \let\bidibid@dbg@fail\@gobble
3203
3204
3205
3206 \bidibid@newrobustcmd*{\bidibid@apptocmd}{%
3207 \bidibid@dbg@trce\bidibid@apptocmd
3208 \begingroup
3209 \@makeother\#%
3210 \bidibid@hooktocmd\bidibid@append}
3211
3212
3213
3214 \bidibid@newrobustcmd*{\bidibid@pretocmd}{%
3215 \bidibid@dbg@trce\bidibid@pretocmd
3216 \begingroup
3217 \@makeother\#%
3218 \bidibid@hooktocmd\bidibid@prepend}
3219
3220 \long\def\bidibid@hooktocmd#1#2#3{%
3221 \endgroup
3222 \bidibid@dbg@init#2%
3223 \if@bidibid@undef{#2}
3224 {\bidibid@dbg@fail{def}\@secondoftwo}
3225 {\bidibid@dbg@info{def}%
3226 \if@bidibid@defmacro{#2}
3227 {\bidibid@dbg@info{mac}%
3228 \if@bidibid@defparam{#2}
3229 {\bidibid@dbg@info{prm}%
3230 \bidibid@ifscanable{#2}
3231 {\bidibid@ifhashcheck{#3}
3232 {\bidibid@dbg@info{tok}%
3233 \bidibid@dbg@succ{ret}%
3234 \bidibid@hooktocmd@i#1#2{#3}%
3235 \@firstoftwo}
3236 {\bidibid@dbg@fail{hsh}\@secondoftwo}}
3237 {\bidibid@dbg@fail{tok}\@secondoftwo}}
3238 {\bidibid@dbg@info{prl}%
3239 \if@bidibid@defprotected{#2}

```



```

3240         {\bidi@dbg@info{pro}%
3241         \bidi@dbg@succ{red}%
3242         \protected}
3243         {\bidi@dbg@succ{red}}}%
3244         \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3245         \@firstoftwo}}
3246     {\bidi@dbg@fail{mac}\@secondoftwo}}
3247
3248 \long\def\bidi@hooktocmd@i#1#2#3{%
3249 \begingroup
3250 \edef\bidi@resrvda{%
3251     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3{%
3252         ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3253     \edef\noexpand\bidi@resrvda{%
3254         \noexpand\bidi@resrvda\meaning#2&}}%
3255     \bidi@resrvda
3256     \bidi@patchcmd@scantoks\bidi@resrvda
3257     \let#2\bidi@resrvda
3258     \bidi@undef\bidi@resrvda}
3259
3260 \long\def\bidi@append#1#2{#1#2}
3261 \long\def\bidi@prepend#1#2{#2#1}
3262
3263 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3264 \newcommand*{\bidi@endpreamblehook}{}
3265
3266 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipouthook}
3267 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3268
3269 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3270 \newcommand*{\bidi@beforeheaderhook}{}
3271
3272 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpagehook}
3273 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
3274
3275 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpagehook}
3276 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
3277
3278 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
3279 \newcommand*{\bidi@beforefooterhook}{}
3280
3281 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3282 \newcommand*{\bidi@afterfooterhook}{}
3283
3284
3285 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
3286 \newcommand*{\bidi@afteroutputpageshipouthook}{}
3287
3288 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3289 \newcommand*{\bidi@atendoutputpagehook}{}

```



```

3290
3291 \bidi@preto\document{%
3292   \endgroup
3293   \let\bidi@AtEndPreamble\@firstofone
3294   \bidi@endpreamblehook
3295   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3296   \bidi@undef\bidi@endpreamblehook
3297   \begingroup}
3298
3299 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3300 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3301
3302 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3303 \newcommand*{\bidi@afterendpreamblehook}{}
3304
3305 \bidi@appto\document{%
3306   \let\bidi@AfterEndPreamble\@firstofone
3307   \bidi@afterendpreamblehook
3308   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3309   \bidi@undef\bidi@afterendpreamblehook
3310   \ignorespaces}
3311
3312 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocument}
3313 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}
3314
3315 \bidi@patchcmd\enddocument
3316   {\fi\endgroup}
3317   {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
3318    \bidi@afterenddocumentchecklabelsrerunhook
3319    \fi\endgroup}
3320   {}
3321   {\PackageWarning{biditools}{Patching ``string\enddocument' failed}}
3322
3323 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3324
3325 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
3326 \newcommand*{\bidi@afterlastshipouthook}{}
3327
3328 \bidi@patchcmd\enddocument
3329   {\clearpage}
3330   {\clearpage
3331    \let\bidi@AfterLastShipout\@firstofone
3332    \bidi@afterlastshipouthook}
3333   {}
3334   {\let\bidi@clearpage\clearpage
3335    \def\clearpage{%
3336      \bidi@clearpage
3337      \let\bidi@AfterLastShipout\@firstofone
3338      \bidi@afterlastshipouthook}}
3339

```





```

3340 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterendddocumenthook}
3341 \newcommand*{\bidi@afterendddocumenthook}{}
3342
3343 \bidi@patchcmd\enddocument
3344   {\deadcycles}
3345   {\let\bidi@AfterEndDocument\@firstofone
3346    \bidi@afterendddocumenthook
3347    \deadcycles}
3348   {}
3349   {\let\bidi@@end\@@end
3350    \def\@@end{%
3351     \let\bidi@AfterEndDocument\@firstofone
3352     \bidi@afterendddocumenthook
3353     \bidi@@end}}
3354
3355 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3356   \bidi@csgappto{\bidi@begin@#1@hook}}
3357
3358 % Patch \begin<space> and \end<space> in newer LaTeX releases
3359 % \begin and \end in older ones.
3360
3361 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
3362   {\csname #1\endcsname}
3363   {\bidi@csuse{\bidi@begin@#1@hook}%
3364    \csname #1\endcsname}
3365   {}
3366   {\bidi@warning{%
3367     Patching '\string\begin' failed!\MessageBreak
3368     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3369
3370
3371
3372 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3373   \bidi@csgappto{\bidi@end@#1@hook}}
3374
3375 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3376   {\csname end#1\endcsname}
3377   {\bidi@csuse{\bidi@end@#1@hook}%
3378    \csname end#1\endcsname}
3379   {}
3380   {\bidi@warning{%
3381     Patching '\string\end' failed!\MessageBreak
3382     '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3383
3384
3385
3386 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3387   \bidi@csgappto{\bidi@beforebegin@#1@hook}}
3388
3389 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname

```



```

3390 {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3391 {}
3392 {\bidi@warning{%
3393   Patching '\string\begin' failed!\MessageBreak
3394   '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3395
3396
3397
3398 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3399   \bidi@csgappto{@bidi@afterend@#1@hook}}
3400
3401 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3402 {\if@ignore}
3403 {\bidi@csuse{@bidi@afterend@#1@hook}%
3404   \if@ignore}
3405 {}
3406 {\bidi@warning{%
3407   Patching '\string\end' failed!\MessageBreak
3408   '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3409
3410 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
3411 \def\bidi@namedef#1{\expandafter\gdef\csname #1\endcsname}
3412 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
3413 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
3414
3415 % From David Carlisle:
3416 % The \@stpelt redefinition below belongs to Heiko Oberdiek
3417 % See also https://github.com/ho-tex/oberdiek/issues/26
3418
3419 \let\bidi@stepcounter\stepcounter
3420 \let\bidi@@stpelt\@stpelt
3421
3422 \def\bidi@stpelt#1{%
3423   \ifcsname bidi@reset@#1@perpage\endcsname
3424     \begingroup
3425       \let\stepcounter\bidi@stepcounter
3426       \@bidi@@stpelt{#1}%
3427     \endgroup
3428     \expandafter\@gobbletwo
3429   \fi
3430   \@bidi@@stpelt{#1}%
3431 }
3432
3433 \bidi@pretocmd\stepcounter
3434 {%
3435   \if@bidi@csundef\bidi@stepcounterhook@@#1}{-}{%
3436     \csname bidi@stepcounterhook@@#1\endcsname
3437   }%
3438 }{}%
3439 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}

```



```

3440
3441 \chardef\bidi@backslash`\\
3442 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
3443
3444 % anonymous control sequences
3445 \newcount\bidi@tempcountb
3446 \newtoks\bidi@temptoksa
3447 \newtoks\bidi@temptoksb
3448
3449 % Catcode (re)storing
3450 %
3451 \def\bidi@storecatcode#1%
3452   {\escapechar\m@ne
3453    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3454    {\catcode`\string#1=
3455     \the\catcode\expandafter`\string#1}%
3456    \catcode\expandafter`\string#1=12\relax
3457    \escapechar`\\relax}
3458 \def\bidi@restorecatcode#1%
3459   {\escapechar\m@ne
3460    \csname bidi@restorecatcode\string#1\endcsname
3461    \escapechar`\\relax}
3462
3463 % Construct a control sequence inside \edef
3464 %
3465 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3466
3467 % Construct a control sequence out of #2, and give it to #1
3468 %
3469 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3470
3471 % Pick an escapecharacter
3472 % this presumes that its argument is a character.
3473 %
3474 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3475
3476 % Equality of strings.
3477 % the fast approach: does not work in expansion-only environment.
3478 %
3479 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3480   \ifx\bidi@eqs@a\bidi@eqs@b}
3481
3482 % Test by expansion only
3483 %
3484 \def\bidi@EqualStringX#1#2{00\fi
3485   \csname if\bidi@EqualStringX#1&#2&$\endcsname}
3486 \def\bidi@EqualStringX#1#2$#3#4${\ifx#1#3%
3487   \ifx#1&true\else\bidi@hop@ES\bidi@EqualStringX#2$#4$\fi
3488   \else false\fi}
3489 \def\bidi@hop@ES#1\fi#2\fi{\fi\fi#1}

```



```

3490
3491 % Lexicographic ordering
3492 % note the use of \def
3493 % also note the characters 0,127,255 that are used,
3494 % these are not supposed to appear in the strings
3495 %
3496 {\catcode0=12 \catcode255=12 \catcode127=12
3497 \gdef\bid@StringBeforeNC#1#2{00\fi
3498 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3499 \gdef\bid@CharsBeforeNC#1#2^^?#3#4^^?{%
3500 \ifcat#1\relax\def\bid@next{\bid@CharsBefore#2^^@^^?#3#4^^ff^^?}%
3501 \else\ifcat#3\relax\def\bid@next{\bid@CharsBefore#1#2^^@^^?#4^^ff^^?}%
3502 \else\ifnum\lccode`#1<\lccode`#3
3503 \def\bid@next{\csname iftrue\endcsname}%
3504 \else\ifnum\lccode`#1>\lccode`#3
3505 \def\bid@next{\csname iffalse\endcsname}%
3506 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3507 \fi \fi \fi \fi
3508 \bid@next}
3509 \gdef\bid@StringBefore#1#2{00\fi
3510 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3511 \gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
3512 \ifnum`#1<`#3
3513 \def\bid@next{\csname iftrue\endcsname}%
3514 \else\ifnum`#1>`#3
3515 \def\bid@next{\csname iffalse\endcsname}%
3516 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3517 \fi\fi
3518 \bid@next}
3519 }
3520
3521 % Null argument test
3522 %
3523 \def\bid@empty{}
3524 \def\bid@ifempty#1{00\fi\expandafter\ifx\csname bid@#1>null\endcsname\bid@null}
3525 \def\bid@ifemptyX#1{\expandafter\ifx\csname bid@#1>null\endcsname\bid@null}
3526 %\def\bid@ifempty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
3527 \def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
3528
3529 % Next character test
3530 %
3531 \def\bid@NextChar#1#2#3{00\fi
3532 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3533 \futurelet\bid@nxt@c@\bid@ifnxtc}
3534 \def\bid@ifNextChar#1#2#3{%
3535 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3536 \futurelet\bid@nxt@c@\bid@ifnxtc}
3537 \def\bid@ifnxtc{\ifx\bid@nxt@c\bid@nxt@c \expandafter\bid@nxt@a
3538 \else \expandafter\bid@nxt@b \fi}
3539

```



```

3540% Test for defined-ness of string as control sequence.
3541% works inside \edef
3542%
3543\def\bid@undefinedcs#1{00\fi\bid@csarg\ifx{#1}\relax}
3544
3545% Define uniquely defined dummy macros,
3546% usually to serve as bumper blocks at the end of a list
3547%
3548\newcount\bid@dummies
3549\def\DefNewDummy#1{
3550  \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
3551  \advance\bid@dummies\@ne
3552  \else
3553    \bid@error{Attempt at second definition of `#1'}
3554  \fi}
3555
3556% string case statement
3557% use: \bid@switch \iftest{...} in:
3558%   item1 action1
3559%   ...
3560%   itemn actionn
3561%   default defaultaction [optional]
3562%   \endbid@switch
3563% inspired by Jonathan Fine: Some Basic Control Macros
3564% Tugboat 12 #4
3565%
3566\let\@bid@fi\fi \let\endbid@switch\relax \DefNewDummy{\bid@default}
3567\def\bid@switch@exit #1 \@bid@fi #2 \endbid@switch {\fi #1}
3568\def\bid@switch #1#2#3{\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3569  #1{#2}\bid@switch@exit #3 \@bid@fi
3570  \bid@switch {#1}
3571}
3572% this version puts the test object in {}
3573\def\bid@oswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3574  #1{#2}\bid@switch@exit #3 \@bid@fi
3575  \bid@switch #1 in:
3576}
3577% this version assumes that the test object is just one character
3578\def\bid@cswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3579  #1#2\bid@switch@exit #3 \@bid@fi
3580  \bid@cswitch #1 in:
3581}
3582% this version assumes that the test object can have an optional space
3583\def\bid@bswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3584  #1#2 \bid@switch@exit #3 \@bid@fi
3585  \bid@bswitch #1 in:
3586}
3587% this version can cope with significant spaces at the start of #3;
3588% #2 is macro argument
3589\def\bid@mswitch #1 in: #2:#3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi

```



```

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

```



```

3640 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#{2}}
3641 \def\bidi@append@list@to@list#1#2{%
3642   \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\en
3643 \def\bidi@prepend@list@to@list#1#2{%
3644   \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\en
3645 \def\bidi@append@cslst@to@cslst#1#2{%
3646   \@bidi@append@to@cslst{#1}\expandafter{\the#2}}
3647 \def\bidi@prepend@cslst@to@cslst#1#2{%
3648   \@bidi@prepend@to@cslst{#1}\expandafter{\the#2}}
3649 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
3650 \def\bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
3651
3652 \let\bidi@willbeunhskip\unhskip
3653
3654 % A few list macros for the user
3655 \def\NewTokenList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3656 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
3657 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#{2}}
3658 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#{2}}
3659 \def\TheTokenList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
3660   \if\bidi@undefinedcs{#1}\bidi@error{Token List <#1> undefined}
3661   \else\bidi@csarg\the{#1}\fi
3662   \let\bidi@willbeunhskip\bidi@oldwbuskip}
3663
3664 \def\bidi@del@tok@from@list#1#2{\begingroup
3665   \long\def\bidi@cs@list#1#2##2\bidi@tok@SM
3666     {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
3667     \edef\bidi@cs@listb{\global\bidi@csname{#1}=
3668       {\the\bidi@toks@lista\the\bidi@toks@listb}}%
3669     \bidi@cs@listb}%
3670     \edef\bidi@cs@lista{\noexpand\bidi@cs@list#1}\expandafter\the\csname#1\endcsname\noexpand
3671     \bidi@cs@lista \endgroup}
3672 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3673   \bidi@in@front@of@cslst\bidi@cs@lista}
3674 \long\def\bidi@in@front@of@cslst#1#2{\begingroup\bidi@toks@lista={#2}%
3675   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista
3676   \endgroup}
3677 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
3678   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3679     {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3680     \expandafter\the\csname#1\endcsname}%
3681   }
3682 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3683   \bidi@set@cslst\bidi@cs@lista}
3684 \long\def\bidi@set@cslst#1#2{\begingroup\bidi@toks@lista={#2}%
3685   \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
3686
3687 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% Stack macros
3688 %
3689 % push in terms of prepending of lists

```



```

3690 \def\bidipush@cs@onto@cs#1#2{\@bidi@prepend@to@cslst#1\expandafter{\expandafter\\expandafter}
3691 \def\bidipush@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
3692 \def\bidipush@onto@cs#1#2{\@bidi@prepend@to@cslst#1}{\{#2}}
3693 \def\bidilocal@push@onto#1#2{\let\=\relax
3694 \bidi@local@in@front@of@list{#1}{\{#2}}
3695 % pop via auxiliary macro: #1 is result, #2 is stack
3696 % two cs arguments
3697 \def\bidipop@cs@into#1#2{\edef\bidi@cs@e
3698 {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
3699 % two string arguments
3700 \def\bidipop@into#1#2{\edef\bidi@cs@e
3701 {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@bidi@pop}
3702 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
3703 \def\bidicopy@stacktop#1#2{%
3704 \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
3705 {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
3706 \bidi@cs@e}
3707 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
3708 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{}}
3709 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
3710 \def\bidi@length@of@csstack#1{\def\##1{\advance\bidi@stack@length\@ne}%
3711 \bidi@stack@length\m@ne \the#1}
3712 % turn a stack upside down
3713 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
3714 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
3715 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3716 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\m@ne
3717 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
3718 % \bidi@append@cslst@to@cslst\bidi@temptoksb\bidi@temptoksa% append a to b
3719 % \bidi@temptoksa\bidi@temptoksb
3720 \repeat% copy b to a
3721 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3722 % invert a stack into a list
3723 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
3724 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
3725 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3726 \bidi@pop@into{\bidi@temptoksb}{#1}\advance\bidi@stack@length\m@ne
3727 \bidi@append@list@to@list{\bidi@temptoksb}{\bidi@temptoksa}\repeat
3728 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3729
3730
3731 % General loop macro:
3732 % \looprepeat
3733 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3734 % \untilcondition{<cond>} \whilecondition{<cond>}
3735 % \doloopbody { <loop body> }
3736 % where all control sequences in between \looprepeat and \doloopbody are optional.
3737 %
3738 % var: characters to form a control sequence;
3739 % after \forvariable{index} you can access the loop counter as \index.

```





```

3740%   This is a count register; to print it use \number\index.
3741% start,step,end: integers with obvious relations to the loop counter;
3742%   start and step have a default value of 1
3743% cond: (sequence of commands ending in) any TeX \if... test.
3744%
3745% Count down instead of up with \downtovalue; the increment given in \bystep
3746% is always positive, and is added or subtracted accordingly.
3747%
3748% Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3749% at the beginning of the loop body.
3750%
3751% Exit from middle of loop: \breaklooprepeat
3752% use this at any place in the loop; in case of a conditional use
3753%   \ifsomething ... \expandafter \breaklooprepeat \fi
3754%
3755% Note that the line ends do not cause spaces in the output.
3756%
3757% Technical details:
3758% The loop body is not executed in a group: the braces are those
3759% of a token list.
3760% The 'forvariable' variable is \let to a \count register.
3761
3762
3763
3764% Auxiliary stuff
3765\def\bidilooptrepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3766\def\bidilooptrepeat@csromannumeral#1{\csname #1\romannumeral\bidilooptrepeat@depth\endcsname}
3767\def\bidilooptrepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooptrepeat@depth\endcsname}
3768
3769\newcount\bidilooptrepeat@depth
3770\let\endlooprepeat\relax \def\bidilooptprotect{}
3771% Trace switches may later be defined by PAC_utils
3772\let\bidilooptrepeat@traceinit\relax \let\bidilooptrepeat@traceexit\relax
3773
3774% Main repeatloop macro
3775% - go to next level and allocate unique counter/toks if this is the
3776%   first time we visit this level
3777% - setup: gather bounds and termination conditions
3778% - scoop up body in token list; after the assignment define and
3779%   execute body
3780\def\looprepeat#1\doloopbody{\bidilooptrepeat@traceinit % exit in \breakrepeatloop
3781  \advance\bidilooptrepeat@depth\@ne\relax
3782  \bidilooptrepeat@csargromannumeral\ifx\bidilooptrepeat@count\relax
3783    \bidilooptrepeat@csargromannumeral{\csname newcount\expandafter\endcsname}\bidilooptrepeat@count
3784    \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooptrepeat@toks
3785    \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooptrepeat@toks
3786    \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooptrepeat@toks
3787  \fi \bidilooptrepeat@zero \def\bidilooptrepeat@sign{}\def\bidilooptrepeat@comp{>}\bidilooptrepeat@comp
3788  \edef\bidilooptrepeat@tmp
3789    {\def\bidilooptrepeat@csargromannumeral\noexpand\bidilooptrepeat@looprepeat}\bidilooptrepeat@tmp

```



```

3790 \afterassignment\bidil@looprepeat@dxb@body\bidil@looprepeat@csromannumeral{bidil@looprepeat@toks}
3791
3792 % Define and execute loop body
3793 % This is done with an \edef to construct the actual sequence
3794 \def\bidil@looprepeat@dxb@body{\bidil@looprepeat@csargromannumeral\edef{bidil@looprepeat@body}{%
3795   \bidil@looprepeat@csargromannumeral\the{bidil@looprepeat@wtest}}%
3796   \noexpand\the\bidil@looprepeat@csargromannumeral\noexpand{bidil@looprepeat@toks}%
3797   \bidil@looprepeat@csargromannumeral\the{bidil@looprepeat@utest}}%
3798   \global\bidil@looprepeat@csargromannumeral\advance{bidil@looprepeat@count} by \bidil@looprepeat@depth
3799   \noexpand\endlooprepeat
3800   \bidil@looprepeat@csargromannumeral\noexpand{bidil@looprepeat@looprepeat}}%
3801   \bidil@looprepeat@csromannumeral{bidil@looprepeat@body}\ignorespaces}
3802
3803 % Stop test
3804 %% In order to stop, issue a
3805 % \breaklooprepeat which scoops up the rest of the body and exits
3806 \def\breaklooprepeat#1\endlooprepeat{\bidil@looprepeat@zero\bidil@looprepeat@csargromannumeral\
3807   \advance\bidil@looprepeat@depth\m@ne \bidil@looprepeat@traceexit
3808 }
3809
3810
3811 % Setup
3812 % gather bounds and termination conditions
3813 \def\bidil@looprepeat@setup#1{%
3814   \begingroup
3815     \def\forvariable##1{%
3816       \edef\bidil@looprepeat@tmp{%
3817         \global\let\bidil@looprepeat@csarg\noexpand{##1}\bidil@looprepeat@csromannumeral{bidil@looprepeat@tmp}}%
3818       \bidil@looprepeat@tmp}%
3819       \def\fromvalue##1{\bidil@looprepeat@csargromannumeral\global{bidil@looprepeat@count}##1\ignorespaces}%
3820       \def\tovalue##1{%
3821         \edef\bidil@looprepeat@tmp{\global\bidil@looprepeat@csargromannumeral\noexpand{bidil@looprepeat@tmp}}%
3822         {\bidil@looprepeat@csargromannumeral\the{bidil@looprepeat@wtest}}%
3823         \noexpand\ifnum\bidil@looprepeat@csargromannumeral\noexpand{bidil@looprepeat@count}\bidil@looprepeat@depth
3824         \noexpand\expandafter \noexpand\breaklooprepeat
3825         \noexpand\fi}\ignorespaces}%
3826       \bidil@looprepeat@tmp}%
3827     \def\downntovalue##1{%
3828       \gdef\bidil@looprepeat@sign{-}\gdef\bidil@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3829     \def\bystep##1{\ifnum##1<0 \bidil@error{LOOPREPEAT: increment has to be a positive value}\
3830       \bidil@looprepeat@csargromannumeral\gdef{bidil@looprepeat@inc}{-##1}\else
3831       \bidil@looprepeat@csargromannumeral\gdef{bidil@looprepeat@inc}{##1}\fi\ignorespaces}%
3832     \def\untilcondition##1{%
3833       \edef\bidil@looprepeat@tmp{\global\bidil@looprepeat@csargromannumeral\noexpand{bidil@looprepeat@tmp}}%
3834       {\noexpand##1\relax
3835       \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3836     \bidil@looprepeat@tmp}%
3837     \def\whilecondition##1{%
3838       \edef\bidil@looprepeat@tmp{\global\bidil@looprepeat@csargromannumeral\noexpand{bidil@looprepeat@tmp}}%
3839       {\noexpand##1\relax \noexpand\else

```



```

3840         \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3841         \bidi@looprepeat@tmp}%
3842         \fromvalue{\@ne}\bystep{\@ne}#1%
3843     \endgroup}
3844 \def\bidi@looprepeat@zero
3845     {\bidi@looprepeat@csromannumeral{\bidi@looprepeat@toks}{}\bidi@looprepeat@csromannumeral{\bi
3846     \bidi@looprepeat@csargromannumeral\def{\bidi@looprepeat@body}{}}
3847
3848 %\tracingmacros2
3849 %\newcount\tmpcount % used in some examples below
3850
3851 %\looprepeat \forvariable{i}
3852 %         \bystep{2}
3853 %     \doloopbody {%
3854 %         \ifnum i=13 \expandafter\breaklooprepeat \fi
3855 %         \number{i} } %
3856 %}%
3857
3858 %\looprepeat \forvariable{iii}
3859 %         \tovalue{8}
3860 %     \doloopbody {}
3861 %After loop: \number{iii}%
3862
3863 %\looprepeat \forvariable{i}
3864 %         \fromvalue{10}
3865 %         \bystep{2}
3866 %         \downtovalue{0}
3867 %     \doloopbody {\number{i} }
3868
3869 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
3870 %     \doloopbody {\number{x} }
3871
3872 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
3873
3874 %\looprepeat \forvariable{j}
3875 %         \untilcondition{\tmpcount>j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3876 %     \doloopbody {\number{j} }
3877
3878 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3879 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3880 %     \doloopbody {(\number{i}.\number{j}) }
3881 % }
3882
3883 % infinite loop
3884 %\looprepeat \doloopbody {}
3885
3886 \renewcommand{\InputIfFileExists}[2]{%
3887     \begingroup\expandafter\expandafter\expandafter\endgroup
3888     \expandafter\ifx\cscname #1-@bidi@alias\endcscname\relax
3889     \expandafter@secondoftwo

```



```

3890 \else
3891 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3892 \expandafter\@firstoftwo
3893 \fi
3894 {%
3895 \expandafter\InputIfFileExists\expandafter{\csname
3896 #1-@bidi@alias\endcsname}{#2}%
3897 }%
3898 {\IfFileExists{#1}{%
3899 \bidi@load@hook{before}{#1}%
3900 #2\@addtofilelist{#1}%
3901 \@@input \@filef@und
3902 \bidi@load@hook{after}{#1}%
3903 }}%
3904 }
3905
3906 \newcommand*{\bidi@loadwithoptions}{%
3907 \newcommand*{\bidi@loadwithoptions}{%
3908 \let\bidi@loadwithoptions\loadwithoptions
3909
3910 \renewcommand*{\@loadwithoptions}[3]{%
3911 \begingroup\expandafter\expandafter\expandafter\endgroup
3912 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3913 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3914 \else
3915 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3916 \def\bidi@loadwithoptions{%
3917 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3918 }%
3919 \fi
3920 \bidi@loadwithoptions
3921 }
3922
3923 \newcommand*{\bidi@onefilewithoptions}{%
3924 \let\bidi@onefilewithoptions\onefilewithoptions
3925 \def\@onefilewithoptions#1[#2][#3]#4{%
3926 \begingroup\expandafter\expandafter\expandafter\endgroup
3927 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3928 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3929 \else
3930 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3931 \edef\bidi@onefilewithoptions{%
3932 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3933 \fi
3934 \bidi@onefilewithoptions[#{2}][#{3}]{#4}%
3935 \bidi@load@hook{lateafter}{#1.#4}%
3936 }
3937
3938 \newcommand*{\bidi@ReplaceInput}[2]{%
3939 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%

```



```

3940 }
3941
3942 \newcommand*{\@bidi@UnReplaceInput}[1]{%
3943   \ifcsname #1-@bidi@alias\endcsname
3944     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3945   \fi
3946 }
3947
3948 \newcommand*{\@bidi@Replacefilewithtext}[3]{%
3949   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3950 }
3951 \newcommand*{\@bidi@ReplacePackage}[2]{%
3952   \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3953 }
3954 \newcommand*{\@bidi@ReplaceClass}[2]{%
3955   \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3956 }
3957 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3958   \ifcsname #1.#2-@bidi@aliasname\endcsname
3959     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3960   \fi
3961 }
3962 \newcommand*{\@bidi@UnReplacePackage}[1]{%
3963   \@bidi@unreplacefilewithtext{#1}\@pkgextension
3964 }
3965 \newcommand*{\@bidi@UnReplaceClass}[1]{%
3966   \@bidi@unreplacefilewithtext{#1}\@clsextension
3967 }
3968 \newcommand*{\@bidi@replacefile@msg}[2]{%
3969   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3970 }
3971
3972 \newcommand*{\@bidi@load@hook}[2]{%
3973   \@ifundefined{#2-@#1}{}%
3974     \@nameuse{#2-@#1}%
3975     \expandafter\let\csname #2-@#1\endcsname=\relax}}
3976 \newcommand*{\@bidi@set@load@hook}[2]{%
3977   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}%
3978   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3979 \newcommand*{\@bidi@BeforeFile}{\@bidi@set@load@hook{before}}
3980 \newcommand*{\@bidi@AfterFile}{\@bidi@set@load@hook{after}}
3981 \newcommand*{\@bidi@BeforeClass}[1]{%
3982   \@bidi@set@load@hook{before}{#1.\@clsextension}}
3983 \newcommand*{\@bidi@AfterClass}{%
3984   \@ifstar {\@s@bidi@AfterClass}{%
3985     \@ifnextchar +\@@bidi@AfterClass{%
3986       \@ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
3987     }%
3988   }%
3989 }

```



```

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

```



```

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

```



```

4090 \let\RequirePackage\bidibidi@RequirePackage
4091 \def\reserved@a##1##{%
4092   \@latex@error
4093   {\noexpand \usepackage before \string\documentclass}%
4094   {\noexpand \usepackage may only appear in the document
4095    preamble, i.e.,\MessageBreak
4096    between \noexpand\documentclass and
4097    \string\begin{document}.}%
4098   \@gobble}%
4099 \ifx\reserved@a\usepackage\else
4100 \ifx\usepackage\bidibidi@saved@RequirePackage\else
4101 \PackageWarning{biditools}{%
4102   Maybe serious problem: unexpected definition of\MessageBreak
4103   \string\usepackage
4104   }%
4105 \fi
4106 \let\usepackage\RequirePackage
4107 \fi
4108 \fi
4109 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
4110 \reserved@b\do {%
4111 \ifx\reserved@a@empty
4112   #1{biditools}{%
4113     empty package argument for
4114     \string\bidibidi@PreventPackageFromLoading\MessageBreak
4115     ignored%
4116   }%
4117 \else
4118 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
4119   #1{biditools}{%
4120     package `'\reserved@a' already loaded.\MessageBreak
4121     Cannot prevent it from being loaded%
4122   }%
4123 }{%
4124 \edef\bidibidi@excludedpackages{\bidibidi@excludedpackages,%
4125 \reserved@a}%
4126 \if\relax\detokenize{#2}\relax\else
4127 \@ifundefined{bidibidi@exclude@package@\reserved@a @do}{%
4128 \@namedef{bidibidi@exclude@package@\reserved@a @do}{}%
4129 }{}%
4130 \expandafter\def
4131 \csname bidibidi@exclude@package@\reserved@a
4132 @do\expandafter\expandafter\expandafter\endcsname
4133 \expandafter\expandafter\expandafter{%
4134 \csname bidibidi@exclude@package@\reserved@a @do\endcsname
4135 #2%
4136 }%
4137 \fi
4138 }%
4139 \fi

```





```

4140 }%
4141 \ifx\bidix\excludedpackages\empty
4142 \bidix\ResetPreventPackageFromLoading
4143 \fi
4144 \fi
4145 }
4146
4147 \@onlypreamble\bidix\PreventPackageFromLoading
4148 \newcommand*{\bidix\ResetPreventPackageFromLoading}{%
4149 \let\bidix\excludedpackages\empty
4150 \ifx\RequirePackage\bidix\RequirePackage
4151 \ifx\usepackage\RequirePackage
4152 \let\usepackage\bidix\saved\RequirePackage
4153 \fi
4154 \let\RequirePackage\bidix\saved\RequirePackage
4155 \fi
4156 }
4157 \@onlypreamble\bidix\ResetPreventPackageFromLoading
4158 \newcommand*{\bidix\StorePreventPackageFromLoading}[1]{%
4159 \let#1\bidix\excludedpackages
4160 }
4161 \@onlypreamble\bidix\StorePreventPackageFromLoading
4162 \newcommand*{\bidix\UnPreventPackageFromLoading}{%
4163 \@ifstar {\@tempwatrue\@bidix\UnPreventPackageFromLoading}%
4164 {\@tempwafalse\@bidix\UnPreventPackageFromLoading}%
4165 }
4166
4167 \newcommand*{\@bidix\UnPreventPackageFromLoading}[1]{%
4168 \edef\reserved@b{\zap@space#1 \empty}%
4169 \if@tempwa
4170 \@for\reserved@a:=\reserved@b\do {%
4171 \ifx\reserved@a\empty \else
4172 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
4173 \expandafter\let
4174 \csname bidi@exclude@package@\reserved@a @do\endcsname
4175 \undefined
4176 \fi
4177 \fi
4178 }%
4179 \fi
4180 \ifcsname bidi@excludedpackages\endcsname
4181 \let\reserved@a\bidix\excludedpackages
4182 \let\bidix\excludedpackages\empty
4183 \expandafter\@for\expandafter\reserved@c
4184 \expandafter:\expandafter=\reserved@a
4185 \do{%
4186 \ifx\reserved@c\empty\else
4187 \@expandtwoargs\in@{\reserved@c,}{\reserved@b,}%
4188 \ifin@
4189 \else

```



```

4190         \edef\bidix@excludedpackages{%
4191             \bidix@excludedpackages,\reserved@c
4192         }%
4193     \fi
4194 \fi
4195 }%
4196 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
4197 \fi
4198 }
4199
4200
4201 \newcommand*{\bidix@RequirePackage}[2][{}]{%
4202     \let\reserved@c\@empty
4203     \let\reserved@d\@empty
4204     \edef\reserved@b{\zap@space#2 \@empty}%
4205     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
4206     \do {%
4207         \begingroup
4208             \@tempswatrue
4209             \@for\reserved@a:=\bidix@excludedpackages\do {%
4210                 \ifx\reserved@a\reserved@b
4211                     \@tempswafalse
4212                 \fi
4213             }%
4214             \if@tempswa
4215                 \xdef\reserved@c{\reserved@c,\reserved@b}%
4216             \else
4217                 \ifx\reserved@b\@empty\else
4218                     \PackageInfo{biditools}{Excluding package `\'reserved@b'\MessageBreak
4219                         from loading}%
4220                     \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
4221                         }{%
4222                             \expandafter\g@addto@macro\expandafter\reserved@d
4223                             \csname bidix@exclude@package@\reserved@b @do\endcsname
4224                         }%
4225                 \fi
4226             \fi
4227         \endgroup
4228     }%
4229     \ifx\reserved@c\@empty
4230         \let\reserved@a\bidix@gobbleopt
4231     \else
4232         \edef\reserved@a{\noexpand\bidix@saved@RequirePackage[#1]{%
4233             \expandafter\@gobble\reserved@c\@empty}}%
4234     \fi
4235     \expandafter\reserved@d
4236     \reserved@a
4237 }
4238
4239 \newcommand{\bidix@gobbleopt}[1][{}]{%

```



```

4240 \AtEndDocument{%
4241   \let\bidisaved@checkend=\@checkend
4242   \renewcommand*{\@checkend}[1]{%
4243     \def\reserved@a{#1}\def\reserved@b{document}%
4244     \bidisaved@checkend{#1}%
4245     \ifx\reserved@a\reserved@b
4246       \let\bidisaved@clearpage=\clearpage
4247       \renewcommand*{\clearpage}{\bidisaved@clearpage
4248         \bidi@hook@bcma
4249         \bidi@restore@newpage
4250         \let\clearpage=\bidisaved@clearpage}%
4251     \fi%
4252     \let\bidisaved@dofilelist\@dofilelist
4253     \def\@dofilelist{%
4254       \bidi@hook@acma
4255       \let\@dofilelist\bidisaved@dofilelist
4256       \bidisaved@dofilelist
4257     }%
4258   }%
4259 }
4260
4261
4262 \newcommand*{\bidisaved@checkend}{}
4263 \newcommand*{\bidisaved@dofilelist}{}
4264 \newcommand*{\bidisaved@newpage}{}
4265 \let\bidisaved@newpage\newpage
4266 \def\bidisaved@restore@newpage{%
4267   \renewcommand*{\newpage}{%
4268     \PackageWarningNoLine{%
4269       biditools%
4270     }{%
4271       \string\newpage\space at main aux file!\MessageBreak
4272       You have output material at the main aux file.\MessageBreak
4273       Note, that the \string\bidisaved@BeforeClosingMainAux\space commands\MessageBreak
4274       are processed before the output from aux file%
4275     }%
4276     \let\newpage\bidisaved@newpage
4277     \newpage
4278   }%
4279 }%
4280 \renewcommand*{\newpage}{%
4281   \PackageError{%
4282     biditools%
4283   }{%
4284     \string\newpage\space at \string\bidisaved@BeforeClosingMainAux
4285   }{%
4286     You should never use \string\newpage\space or
4287     \string\clear(double)page or other output material at the\MessageBreak
4288     argument of \string\bidisaved@BeforeClosingMainAux!\MessageBreak
4289     If you'll continue, the \string\newpage\space will be ignored to

```



```

4290     avoid corruption of\MessageBreak
4291     every prior use of \string\bid@BeforeClosingMainAux.
4292   }%
4293 }%
4294 }
4295
4296 \newcommand*\bid@restore@newpage{}{}
4297 \newcommand*\bid@hook@bcma{}{}
4298 \newcommand*\bid@hook@acma{}{}
4299 \newcommand*\bid@BeforeClosingMainAux}{%
4300   \ifx\bid@hook@bcma\@empty
4301     \gdef\bid@hook@bcma{%
4302       \renewcommand*\bid@BeforeClosingMainAux}[1]{###1}%
4303       \let\protected@write\bid@protected@immediate@write
4304       \bid@redefine@newpage
4305     }%
4306   \fi
4307   \g@addto@macro\bid@hook@bcma%
4308 }
4309
4310 \newcommand*\bid@AfterReadingMainAux}{%
4311   \ifx\bid@hook@acma\@empty
4312     \gdef\bid@hook@acma{%
4313       \renewcommand*\bid@AfterReadingMainAux}[1]{###1}%
4314       \let\protected@write\bid@protected@immediate@write
4315     }%
4316   \fi
4317   \g@addto@macro\bid@hook@acma%
4318 }
4319
4320 \long\def\bid@protected@immediate@write#1#2#3{%
4321   \begingroup
4322     #2%
4323     \let\protect\@unexpandable@protect
4324     \edef\reserved@a{\immediate\write#1{#3}}%
4325     \reserved@a
4326   \endgroup
4327   \if@nbreak\ifvmode\nobreak\fi\fi
4328 }
4329
4330 \def\bid@patch@counter{0}%
4331 \if@bid@csundef{numexpr}{%
4332   \def\bid@patch@stepcounter{%
4333     \begingroup
4334       \count@\bid@patch@counter\relax
4335       \advance\count@\@ne\relax
4336     \edef\x{\endgroup
4337       \noexpand\def\noexpand\bid@patch@counter{\the\count@}%
4338     }%
4339     \x

```



```

4340 }%
4341 }{%
4342 \def\bidipatch@stepcounter{%
4343 \edef\bidipatch@counter{%
4344 \the\numexpr\bidipatch@counter+\@ne\relax
4345 }%
4346 }%
4347 }
4348 \def\bidipatch@list{}
4349 \def\bidipatch@Add{%
4350 \bidipatch@list
4351 }
4352 \def\bidipatch@AfterPackage#1{%
4353 \@ifpackageloaded{#1}{%
4354 \@firstofone
4355 }{%
4356 \@bidipatch@AfterPackage{#1}%
4357 }%
4358 }
4359 \def\@bidipatch@AfterPackage#1{%
4360 \edef\bidipatch@temp{#1}%
4361 \bidipatch@stepcounter
4362 \expandafter\bidipatch@@AfterPackage
4363 \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4364 \bidipatch@temp
4365 }%
4366 }
4367 \def\bidipatch@@AfterPackage#1#2#3{%
4368 \begingroup
4369 \toks@{#3}%
4370 \xdef\bidipatch@gtemp{%
4371 \noexpand\@ifpackageloaded{#2}{%
4372 \noexpand\let\noexpand#1\noexpand\relax
4373 \the\toks@
4374 }{}}%
4375 }%
4376 \endgroup
4377 \let#1\bidipatch@gtemp
4378 \bidipatch@Add#1%
4379 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4380 }
4381
4382 \def\bidipatch@try#1#2#3{%
4383 \if@bidicsundef{#1}{%
4384 \csname #1\endcsname{#2}{#3}%
4385 }%
4386 }
4387
4388 \AtBeginDocument{\bidipatch@list}
4389

```



```

4390 \bidi@AtEndPreamble{\bidi@patch@list}%
4391
4392 \bidi@AfterEndPreamble{%
4393   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
4394   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
4395   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
4396   \let\bidi@patch@OrgIfClassLater\@ifclasslater
4397   \bidi@patch@list
4398   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
4399   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
4400   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
4401   \let\@ifclasslater\bidi@patch@OrgIfClassLater
4402 }%

```

## 22 File bidentuftefloat.sty

```

4403 \NeedsTeXFormat{LaTeX2e}
4404 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
4405 bidi implementation of tufte float]
4406 \RequirePackage{xifthen}
4407 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
4408 \newcommand{\bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
4409 \newcommand{\bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\bidentuftefloatDebugInfoNL{#1}}{}}
4410 \newcommand{\bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
4411 \newboolean{\@bidentuftefloat@reversegeometry}
4412 \setboolean{\@bidentuftefloat@reversegeometry}{false}
4413 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
4414 \newboolean{\@bidentuftefloat@a4paper}
4415 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@a4paper}{true}}
4416 \newboolean{\@bidentuftefloat@b5paper}
4417 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@b5paper}{true}}
4418 \newboolean{\@bidentuftefloat@symmetric}
4419 \newboolean{\@bidentuftefloat@twoside}
4420 \DeclareOption{twoside}{%
4421   \@twosidefalse \mparswitchtrue%
4422   \setboolean{\@bidentuftefloat@twoside}{true}%
4423   \setboolean{\@bidentuftefloat@symmetric}{true}%
4424 }
4425 \DeclareOption{oneside}{%
4426   \@twosidefalse \mparswitchfalse%
4427   \setboolean{\@bidentuftefloat@twoside}{false}%
4428   \setboolean{\@bidentuftefloat@symmetric}{false}%
4429 }
4430 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4431 \newboolean{\@bidentuftefloat@debug}
4432 \newcommand*{\@bidentuftefloat@caption@justification}{\@bidentuftefloat@justification@autodetect}
4433 \ProcessOptions
4434 %% Globally sets the length
4435 \newcommand*{\gsetlength}[2]{%
4436   \setlength{#1}{#2}%

```



```

4437 \global#1=#1\relax%
4438 }
4439
4440 %% Set the font sizes and baselines to match bidentuftefloat's books
4441 \renewcommand\normalsize{%
4442   \@setfontsize\normalsize\@xpt{14}%
4443   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4444   \abovedisplayshortskip \z@ \@plus3\p@
4445   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4446   \belowdisplayskip \abovedisplayskip
4447   \let\@listi\@listI}
4448 \normalbaselineskip=14pt
4449 \normalsize
4450 \renewcommand\footnotesize{%
4451   \@setfontsize\footnotesize\@viipt{10}%
4452   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4453   \abovedisplayshortskip \z@ \@plus\p@
4454   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4455   \def\@listi{\leftmargin\leftmarginI
4456             \topsep 3\p@ \@plus\p@ \@minus\p@
4457             \parsep 2\p@ \@plus\p@ \@minus\p@
4458             \itemsep \parsep}%
4459   \belowdisplayskip \abovedisplayskip
4460 }
4461 %% Paragraph indentation and separation for marginal text
4462 \newcommand{\@bidentuftefloat@margin@par}{%
4463   \setlength{\RaggedRightParindent}{0.5pc}%
4464   \setlength{\JustifyingParindent}{0.5pc}%
4465   \setlength{\parindent}{0.5pc}%
4466   \setlength{\parskip}{0pt}%
4467 }
4468 \RequirePackage{ragged2e}
4469 \ifthenelse{\boolean{@bidentuftefloat@reversegeometry}}{%
4470 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{geometry}
4471 \ifthenelse{\boolean{@bidentuftefloat@afourpaper}}
4472   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
4473   {}
4474 \ifthenelse{\boolean{@bidentuftefloat@bfivepaper}}
4475   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
4476   {}{}%
4477 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{geometry}
4478 \ifthenelse{\boolean{@bidentuftefloat@afourpaper}}
4479   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
4480   {}
4481 \ifthenelse{\boolean{@bidentuftefloat@bfivepaper}}
4482   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
4483   {}{}%
4484 \ifthenelse{\boolean{@bidentuftefloat@symmetric}}
4485   {}
4486   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'

```



```

4487 \setlength\marginparpush{10pt}
4488 %% Font for margin items
4489 \newcommand{\@bituftefloat@marginfont}{\normalfont\footnotesize}
4490 \newcommand*{\@bituftefloat@captionfont}{\@bituftefloat@marginfont}
4491 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bituftefloat@captionfont}{#1}}
4492 \newcommand{\@bituftefloat@justification}{\justifying}%
4493 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4494 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4495 \newboolean{@bituftefloat@changepage}
4496 \IfFileExists{changepage.sty}{%
4497   \bituftefloatDebugInfoNL{Found changepage.sty}
4498   \RequirePackage[strict]{changepage}
4499   \setboolean{@bituftefloat@changepage}{true}
4500 }{%
4501   \bituftefloatDebugInfoNL{Found chngpage.sty}
4502   \RequirePackage[strict]{chngpage}
4503   \setboolean{@bituftefloat@changepage}{false}
4504 }
4505 \newboolean{@bituftefloat@odd@page}
4506 \setboolean{@bituftefloat@odd@page}{true}
4507 \newcommand*{\@bituftefloat@checkoddpag}{%
4508   \checkoddpag%
4509   \ifthenelse{boolean{@bituftefloat@changepage}}{%
4510     \ifoddpag%
4511       \setboolean{@bituftefloat@odd@page}{true}%
4512     \else%
4513       \setboolean{@bituftefloat@odd@page}{false}%
4514     \fi%
4515   }{%
4516     \ifcpoddpag%
4517       \setboolean{@bituftefloat@odd@page}{true}%
4518     \else%
4519       \setboolean{@bituftefloat@odd@page}{false}%
4520     \fi%
4521   }%
4522 }
4523 \newlength{\@bituftefloat@overhang}% used by the fullwidth environment and the running heads
4524 \newlength{\@bituftefloat@fullwidth}
4525 \newlength{\@bituftefloat@caption@fill}
4526 \newcommand{\@bituftefloatRecalculate}{%
4527   \setlength{\@bituftefloat@overhang}{\marginparwidth}
4528   \addtolength{\@bituftefloat@overhang}{\marginparsep}
4529
4530   \setlength{\@bituftefloat@fullwidth}{\textwidth}
4531   \addtolength{\@bituftefloat@fullwidth}{\marginparsep}
4532   \addtolength{\@bituftefloat@fullwidth}{\marginparwidth}
4533
4534   \setlength{\@bituftefloat@caption@fill}{\textwidth}
4535   \addtolength{\@bituftefloat@caption@fill}{\marginparsep}
4536 }

```





```

4537 \AtBeginDocument{\@biditytfloatRecalculate}
4538 \RequirePackage{optparams}% provides multiple optional arguments for commands
4539 \RequirePackage{placeins}
4540 \newsavebox{\@biditytfloat@margin@floatbox}
4541 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
4542 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4543 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
4544 \begin{minipage}{\marginparwidth}%
4545 \@biditytfloat@caption@font%
4546 \def\@capttype{#2}%
4547 \hbox{\vspace*{#1}%
4548 \@biditytfloat@caption@justification%
4549 \@biditytfloat@margin@par%
4550 \noindent%
4551 }
4552 {\end{minipage}%
4553 \end{lrbox}%
4554 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
4555 }
4556 \newenvironment{marginfigure}[1][-1.2ex]%
4557 {\begin{@biditytfloat@margin@float}[#1]{figure}}
4558 {\end{@biditytfloat@margin@float}}
4559 \newenvironment{margintable}[1][-1.2ex]%
4560 {\begin{@biditytfloat@margin@float}[#1]{table}}
4561 {\end{@biditytfloat@margin@float}}
4562 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4563
4564 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
4565 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4566 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
4567 {\def\@biditytfloat@float@debug@info{#1}}%
4568 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4569 }
4570 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4571 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug{setfloatalignment: #1}}
4572 \newboolean{@biditytfloat@float@recto}
4573 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{forcerectofloat}}
4574 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{forceversofloat}}
4575 \newsavebox{\@biditytfloat@figure@box}
4576 \newsavebox{\@biditytfloat@caption@box}
4577 \let\@biditytfloat@orig@float\@float
4578 \let\@biditytfloat@orig@endfloat\endfloat
4579 \newlength{\@biditytfloat@caption@vertical@offset}
4580 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4581 \newcommand{\@biditytfloat@stored@shortcaption}{%
4582 \newcommand{\@biditytfloat@stored@caption}{%
4583 \newcommand{\@biditytfloat@stored@label}{%
4584 \long\def\@biditytfloat@caption[#1][#2]#3{%
4585 \ifthenelse{\isempty{#1}}%
4586 {\gdef\@biditytfloat@stored@shortcaption{#3}}%

```



```

4587     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4588     \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to low
4589     \gdef\@biditytfloat@stored@caption{#3}%
4590 }
4591 \newcommand{\@biditytfloat@label}[1]{%
4592     \gdef\@biditytfloat@stored@label{#1}%
4593 }
4594 \newcommand{\@biditytfloat@fps}{%
4595     \newboolean{\@biditytfloat@float@star}%
4596     \newlength{\@biditytfloat@float@contents@width}%
4597     \newenvironment{\@biditytfloat@float}[3][htbp]%
4598     {% begin \@biditytfloat@float
4599     % Should this float be full-width or just text-width?
4600     \ifthenelse{\equal{#3}{star}}{%
4601         {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4602         {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4603     % Check page side (recto/verso) and store detected value -- can be overridden in environmen
4604     \@biditytfloat@checkoddpage%
4605     \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
4606         {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detect
4607         {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detect
4608     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4609     \renewcommand{\@biditytfloat@fps}{#1}%
4610     \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
4611     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4612         {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bott
4613         {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]
4614     % Capture the contents of the \caption and \label commands to use later
4615     \global\let\@biditytfloat@orig@caption\caption%
4616     \global\let\@biditytfloat@orig@label\label%
4617     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[ ] [Opt]}}%
4618     \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4619     % Handle subfigure package compatibility
4620     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4621         \bidi@patchcmd{\subfigure}{%
4622             \let\subfig@oldlabel=\label
4623             }{%
4624             \let\subfig@oldlabel=\@biditytfloat@orig@label
4625             }
4626         {}
4627         {}
4628         \let\subtable=\subfigure
4629     }{% subfigure package is not loaded
4630     \@biditytfloat@orig@float{#2}[#1]%
4631     \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
4632         {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4633         {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4634     \begin{lrbox}{\@biditytfloat@figure@box}%
4635     \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4636     }{% end \@biditytfloat@float

```



```

4637     \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
4638     \end{minipage}%
4639     \end{lrbox}%
4640     % build the caption box
4641     \begin{lrbox}{\@bittuftefloat@caption@box}%
4642     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4643       \ifthenelse{\NOT\equal{\@bittuftefloat@stored@caption}}{\@bittuftefloat@orig@capti
4644       \ifthenelse{\NOT\equal{\@bittuftefloat@stored@label}}{\@bittuftefloat@orig@label{
4645       \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4646     \end{minipage}%
4647     \end{lrbox}%
4648     % now typeset the stored boxes
4649     \begin{fullwidth}%
4650     \begin{minipage}[\floatalignment]{\linewidth}%
4651       \ifthenelse{\boolean{@bittuftefloat@float@star}}%
4652       {\@bittuftefloat@float@fullwidth[\@bittuftefloat@caption@vertical@offset]{\@bittu
4653       {\@bittuftefloat@float@textwidth[\@bittuftefloat@caption@vertical@offset]{\@bittu
4654     \end{minipage}%
4655     \end{fullwidth}%
4656     \@bittuftefloat@orig@endfloat% end original LaTeX float environment
4657     % output debug info
4658     \ifthenelse{\boolean{@bittuftefloat@debug}}{%
4659       \typeout{^^J^^J----- bittuftefloat package float information -----}%
4660       \ifthenelse{\equal{\@bittuftefloat@stored@label}}{}%
4661       {\typeout{Warning: Float unlabeled!}}%
4662       {\typeout{Float label: [\@bittuftefloat@stored@label]}}%
4663       \typeout{Page number: [\thepage]}%
4664       \def\MessageBreak{^^J}%
4665       \typeout{\@bittuftefloat@float@debug@info}%
4666       \ifthenelse{\boolean{@bittuftefloat@symmetric}}%
4667       {\typeout{Symmetric: [true]}}%
4668       {\typeout{Symmetric: [false]}}%
4669       \typeout{-----^^J^^J}%
4670     }{}%
4671     % reset commands and temp boxes and captions
4672     \gdef\@bittuftefloat@float@debug@info{}%
4673     \let\caption\@bittuftefloat@orig@caption%
4674     \let\label\@bittuftefloat@orig@label%
4675     \begin{lrbox}{\@bittuftefloat@figure@box}\hbox{}\end{lrbox}%
4676     \begin{lrbox}{\@bittuftefloat@caption@box}\hbox{}\end{lrbox}%
4677     \gdef\@bittuftefloat@stored@shortcaption{}%
4678     \gdef\@bittuftefloat@stored@caption{}%
4679     \gdef\@bittuftefloat@stored@label{}%
4680     \gsetlength{\@bittuftefloat@caption@vertical@offset}{0pt}% reset caption offset
4681   }
4682   \newcommand{\@bittuftefloat@float@textwidth}[3][0pt]{%
4683     \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}}\OR\boolean{@bittuftefloat@float@recto}}
4684     % asymmetric or page is odd, so caption is on the right
4685     \hbox{%
4686       \usebox{#2}%

```



```

4687 \hspace{\marginparsep}%
4688 \smash{\raisebox{#1}{\usebox{#3}}}%
4689 }
4690 \@biditytfloat@float@debug{Caption position: [right]]}%
4691 }{% symmetric pages and page is even, so caption is on the left
4692 \hbox{%
4693 \smash{\raisebox{#1}{\usebox{#3}}}%
4694 \hspace{\marginparsep}%
4695 \usebox{#2}%
4696 }
4697 \@biditytfloat@float@debug{Caption position: [left]]}%
4698 }%
4699 }
4700 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4701 \ifthenelse{equal{\floatalignment}{b}}{%
4702 {% place caption above figure
4703 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4704 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4705 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4706 }{% place caption below figure
4707 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4708 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4709 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4710 }%
4711 }
4712 \renewenvironment{figure}[1][htbp]{
4713 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4714 {\end{@biditytfloat@float}}
4715 \renewenvironment{table}[1][htbp]
4716 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4717 {\end{@biditytfloat@float}}
4718 \renewenvironment{figure*}[1][htbp]{
4719 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4720 {\end{@biditytfloat@float}}
4721 \renewenvironment{table*}[1][htbp]{
4722 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4723 {\end{@biditytfloat@float}}
4724 \newenvironment{fullwidth}
4725 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4726 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@
4727 {\begin{adjustwidth}{-}\@biditytfloat@overhang}}%
4728 }%
4729 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4730 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}}
4731 {\end{adjustwidth}}}%
4732 }
4733 \long\def\caption#1[#2]#3{%
4734 \par%
4735 \addcontentsline{csname ext@#1\endcsname}{#1}%
4736 {\protect\numberline{csname the#1\endcsname}{\ignorespaces #2}}%

```



```

4737 \begingroup%
4738   \@parboxrestore%
4739   \if@minipage%
4740     \@setminipage%
4741   \fi%
4742   \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
4743   \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4744   %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4745 \endgroup}
4746 %%
4747 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4748 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
4749   \@ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
4750 }
4751 \def\@biditufteheading@newlinetospace@i{%
4752   \ifdim\lastskip>z@\else\space\fi
4753   \ignorespaces%
4754 }
4755 \DeclareRobustCommand{\newlinetospace}[1]{%
4756   \let\@biditufteheading@orig@cr\\% save the original meaning of \\
4757   \def\\{\@biditufteheading@newlinetospace}% turn \\ and \\* into \space
4758   \let\newline\\% turn \newline into \space
4759   #1%
4760   \let\\\\@biditufteheading@orig@cr% revert to original meaning of \\
4761 }
4762 \RequirePackage{fancyhdr}
4763 \pagestyle{fancy}
4764 \AtBeginDocument{%
4765   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4766     {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
4767     {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
4768 }
4769 % The running heads/feet don't have rules
4770 \renewcommand{\headrulewidth}{0pt}
4771 \renewcommand{\footrulewidth}{0pt}
4772 % The 'fancy' page style is the default style for all pages.
4773 \fancyhf{} % clear header and footer fields
4774   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4775     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4776     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4777     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4778 % The 'plain' page style is used on chapter opening pages.
4779 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4780 % bottom of pages -- the folios are unexpressed.
4781 \fancypagestyle{plain}{
4782   \fancyhf{} % clear header and footer fields
4783   % Uncomment the following five lines of code if you want the opening page
4784   % of the chapter to express the folio in the lower outside corner.
4785   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4786     % {\fancyfoot[LE,RO]{\thepage}}

```



```

4787 % {\fancyfoot[RE,RO]{\thepage}}
4788 }
4789 % The 'empty' page style suppresses all headers and footers.
4790 % It's used on title pages and 'intentionally blank' pages.
4791 \fancypagestyle{empty}{
4792   \fancyhf{} % clear header and footer fields
4793 }
4794 \def\morefloats{% provides a total of 52 floats
4795   \ifthenelse{\isundefined{\bx@S}}{%
4796     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4797     \newinsert\bx@S
4798     \newinsert\bx@T
4799     \newinsert\bx@U
4800     \newinsert\bx@V
4801     \newinsert\bx@W
4802     \newinsert\bx@X
4803     \newinsert\bx@Y
4804     \newinsert\bx@Z
4805     \newinsert\bx@a
4806     \newinsert\bx@b
4807     \newinsert\bx@c
4808     \newinsert\bx@d
4809     \newinsert\bx@e
4810     \newinsert\bx@f
4811     \newinsert\bx@g
4812     \newinsert\bx@h
4813     \newinsert\bx@i
4814     \newinsert\bx@j
4815     \newinsert\bx@k
4816     \newinsert\bx@l
4817     \newinsert\bx@m
4818     \newinsert\bx@n
4819     \newinsert\bx@o
4820     \newinsert\bx@p
4821     \newinsert\bx@q
4822     \newinsert\bx@r
4823     \newinsert\bx@s
4824     \newinsert\bx@t
4825     \newinsert\bx@u
4826     \newinsert\bx@v
4827     \newinsert\bx@w
4828     \newinsert\bx@x
4829     \newinsert\bx@y
4830     \newinsert\bx@z
4831     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4832       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4833       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4834       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4835       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4836       \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z

```



```

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

```



```

4887         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4888         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4889         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4890     }{%
4891         \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBr
4892         {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4893     }%
4894 }%
4895 }
4896 \newboolean{@biditytfloat@packages@subfigure}
4897 \setboolean{@biditytfloat@packages@subfigure}{false}
4898 \AtBeginDocument{%
4899     \@ifpackageloaded{subfigure}
4900     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4901     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4902 }
4903 \AtBeginDocument{%
4904     \@ifpackageloaded{float}{%
4905         % Save the redefined float environment (instead of the LaTeX float environment)
4906         \let\@biditytfloat@orig@float\@float
4907         \let\@biditytfloat@orig@endfloat\end@float
4908
4909         % Define Tuftian float styles (with the caption in the margin)
4910         \newcommand{\floatc@biditytfloatplain}[2]{%
4911             \begin{lrbox}{\@biditytfloat@caption@box}%
4912                 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
4913                     \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4914                 \end{minipage}%
4915             \end{lrbox}%
4916             \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4917         }
4918         \newcommand{\fs@biditytfloatplain}{%
4919             \def\@fs@cfont{\@biditytfloat@caption@font}%
4920             \let\@fs@capt\floatc@biditytfloatplain%
4921             \def\@fs@pre{}%
4922             \def\@fs@post{}%
4923             \def\@fs@mid{}%
4924             \let\@fs@iftopcapt\iftrue%
4925         }
4926         \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4927         \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4928         \newcommand\floatc@biditytfloatruled[2]{%
4929             {\@fs@cfont #1} #2\par%
4930         }
4931         \newcommand\fs@biditytfloatruled{%
4932             \def\@fs@cfont{\@biditytfloat@caption@font}%
4933             \let\@fs@capt\floatc@biditytfloatplain%
4934             \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4935             \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4936             \def\@fs@mid{}%

```





```

4937 \let\@fs@iftopcapt\iftrue%
4938 }
4939 \newcommand\fs@bidituftefloatboxed{%
4940 \def\@fs@cfont{}%
4941 \let\@fs@capt\floatc@bidituftefloatplain%
4942 \def\@fs@pre{%
4943 \setbox\@currbox\vbox{\hbadness10000
4944 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4945 \hrule \hbox to\hsize{\vrule\kern3pt
4946 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4947 }%
4948 \def\@fs@mid{\kern2pt}%
4949 \def\@fs@post{}%
4950 \let\@fs@iftopcapt\iftrue%
4951 }
4952 }{%
4953 % Nothing to do
4954 }
4955 }
4956 \AtBeginDocument{%
4957 \@ifpackageloaded{algorithm}{%
4958 % Set the float style to the Tuftean version
4959 \ifthenelse{equal{\ALG@floatstyle}{plain}\OR equal{\ALG@floatstyle}{ruled}\OR equal{\ALG@floatstyle}{list}}{
4960 \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4961 \floatstyle{bidituftefloat\ALG@floatstyle}%
4962 \restylefloat{algorithm}%
4963 }{}}%
4964 }{%
4965 % Nothing to do
4966 }
4967 }
4968 \PassOptionsToPackage{caption=false}{subfig}

```

## 23 File bidituftesidenote.sty

```

4969 \NeedsTeXFormat{LaTeX2e}
4970 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
4971 bidi implementation of tufte sidenote]
4972 \RequirePackage{xifthen}
4973 \RequirePackage{ragged2e}
4974 \RequirePackage{setspace}
4975 \RequirePackage{biditools}
4976 \def\bidituftesidenotemarginpar{%
4977 \ifhmode
4978 \@bsphack
4979 \@floatpenalty -\@Mii
4980 \else
4981 \@floatpenalty -\@Miii
4982 \fi
4983 \ifinner

```



```

4984 \@parmoderr
4985 \@floatpenalty\z@
4986 \else
4987 \@next\@currbox\@freelist{}\}%
4988 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4989 {\@floatpenalty\z@
4990 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4991 \fi
4992 \@ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
4993 \long\def\@bidituftesidenotexmpar[#1]#2{%
4994 \@bidituftesidenotesavemarbox\@marbox{#1}%
4995 \@bidituftesidenotesavemarbox\@currbox{#2}%
4996 \@xympar}
4997 \long\def\@bidituftesidenoteympar#1{%
4998 \@bidituftesidenotesavemarbox\@marbox{#1}%
4999 \global\setbox\@currbox\copy\@marbox
5000 \@xympar}
5001 \long\def \@bidituftesidenotesavemarbox #1#2{%
5002 \global\setbox #1%
5003 \color@vbox
5004 \vtop{%
5005 \hsize\marginparwidth
5006 \@parboxrestore
5007 \@bidituftesidenotemarginparreset
5008 #2%
5009 \@minipagefalse
5010 \outer@nobreak
5011 }%
5012 \color@endbox
5013 }
5014 \def \@bidituftesidenotemarginparreset {%
5015 \reset@font
5016 \normalsize
5017 \@minipagetrue
5018 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
5019 }
5020 \def\LTRbidituftesidenotemarginpar{%
5021 \ifhmode
5022 \@bsphack
5023 \@floatpenalty -\@Mii
5024 \else
5025 \@floatpenalty-\@Miii
5026 \fi
5027 \ifinner
5028 \@parmoderr
5029 \@floatpenalty\z@
5030 \else
5031 \@next\@currbox\@freelist{}\}%
5032 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5033 {\@floatpenalty\z@

```



```

5034      \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5035      \fi
5036      \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteypar}
5037 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
5038   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5039   \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
5040   \@xympar}
5041 \long\def\@LTRbidityftesidenoteypar#1{%
5042   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5043   \global\setbox\@currbox\copy\@marbox
5044   \@xympar}
5045 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
5046   \global\setbox #1%
5047     \color@vbox
5048     \vtop{%
5049       \hsize\marginparwidth
5050       \@parboxrestore
5051       \@LTRbidityftesidenotemarginparreset
5052       #2%
5053       \@minipagefalse
5054       \outer@nobreak
5055     }%
5056   \color@endbox
5057 }
5058 \def \@LTRbidityftesidenotemarginparreset {%
5059   \reset@font
5060   \normalsize
5061   \@minipagetrue
5062   \everypar{\@minipagefalse\everypar{}\beginL}%
5063 }
5064 \def\RTLbidityftesidenotemarginpar{%
5065   \ifhmode
5066     \@bsphack
5067     \@floatpenalty -\@Mii
5068   \else
5069     \@floatpenalty-\@Miii
5070   \fi
5071   \ifinner
5072     \@parmoderr
5073     \@floatpenalty\z@
5074   \else
5075     \@next\@currbox\@freelist{}\}%
5076     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5077     {\@floatpenalty\z@
5078     \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5079   \fi
5080   \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteypar}
5081 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
5082   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5083   \@RTLbidityftesidenotesavemarbox\@currbox{#2}%

```



```

5084 \xympar}
5085 \long\def\@RTLbidityftesidenoteympar#1{%
5086 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5087 \global\setbox\@currbox\copy\@marbox
5088 \xympar}
5089 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
5090 \global\setbox #1%
5091 \color@vbox
5092 \vtop{%
5093 \hsize\marginparwidth
5094 \@parboxrestore
5095 \@RTLbidityftesidenotemarginparreset
5096 #2%
5097 \@minipagefalse
5098 \outer@nobreak
5099 }%
5100 \color@endbox
5101 }
5102 \def \@RTLbidityftesidenotemarginparreset {%
5103 \reset@font
5104 \normalsize
5105 \@minipagetrue
5106 \everypar{\@minipagefalse\everypar{}\beginR}%
5107 }
5108 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
5109 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
5110 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
5111 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
5112 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
5113 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
5114 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
5115 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
5116 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
5117 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
5118 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
5119 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
5120 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
5121 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
5122 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
5123 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
5124 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
5125 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
5126 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5127 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5128 \newcommand*{\setRTLcitation@font}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
5129 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
5130 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
5131 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
5132 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
5133 \newcommand{\@bidityftesidenote@margin@par}{%

```



```

5134 \setlength{\RaggedRightParindent}{0.5pc}%
5135 \setlength{\JustifyingParindent}{0.5pc}%
5136 \setlength{\parindent}{0.5pc}%
5137 \setlength{\parskip}{0pt}%
5138 }
5139 %%
5140 % Globally sets the length
5141 \@ifundefined{gsetlength}{%
5142 \newcommand*\gsetlength[2]{%
5143 \setlength{#1}{#2}%
5144 \global#1=#1\relax%
5145 }%
5146 }{}
5147
5148 %%
5149 % A function that removes leading and trailing spaces from the supplied macro.
5150 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
5151 % Executing \@biditytesidenote@trim@spaces\xyzy will result in the contents of \xyzy
5152 % being trimmed of leading and trailing white space.
5153 \catcode\Q=3
5154 \def\@biditytesidenote@trim@spaces#1{%
5155 % Use grouping to emulate a multi-token afterassignment queue
5156 \begingroup%
5157 % Put \toks 0 {' into the afterassignment queue
5158 \aftergroup\toks\aftergroup0\aftergroup{%
5159 % Apply \trimb to the replacement text of #1, adding a leading
5160 % \noexpand to prevent brace stripping and to serve another purpose
5161 % later.
5162 \expandafter\@biditytesidenote@trim@b\expandafter\noexpand#1Q Q}%
5163 % Transfer the trimmed text back into #1.
5164 \edef#1{\the\toks0}%
5165 }
5166 % \trimb removes a trailing space if present, then calls \@biditytesidenote@trim@c to
5167 % clean up any leftover bizarre Qs, and trim a leading space. In
5168 % order for \trimc to work properly we need to put back a Q first.
5169 \def\@biditytesidenote@trim@b#1 Q{\@biditytesidenote@trim@c#1Q}
5170 % Execute \vfuzz assignment to remove leading space; the \noexpand
5171 % will now prevent unwanted expansion of a macro or other expandable
5172 % token at the beginning of the trimmed text. The \endgroup will feed
5173 % in the \aftergroup tokens after the \vfuzz assignment is completed.
5174 \def\@biditytesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
5175 \catcode\Q=11
5176 %%
5177 % Citations should go in the margin as sidenotes
5178
5179 \RequirePackage{natbib}
5180 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environment
5181 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5182 \renewcommand\BR@b@bibitem[2][]{%
5183 \ifthenelse{\isempty{#1}}%

```



```

5184     {\BR@bibitem{#2}}%
5185     {\BR@bibitem{#1}{#2}}%
5186     \BR@c@bibitem{#2}%
5187 }
5188 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
5189 %%
5190 % Normal \cite behavior
5191 \newcounter{@bidityftesidenote@num@bibkeys}%
5192 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
5193   % Snag the last bibentry in the list for later comparison
5194   \let\@temp@last@bibkey\@empty%
5195   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5196   \sidenote[] [#1]{%
5197     % Loop through all the bibentries, separating them with semicolons and spaces
5198     \normalsize\normalfont\@bidityftesidenote@citation@font%
5199     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5200     \@for\@temp@bibkeyx:=#2\do{%
5201       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5202         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5203           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5204           \bibentry{\@temp@bibkeyx}}%
5205         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5206           \bibentry{\@temp@bibkeyx};\ }%
5207       \stepcounter{@bidityftesidenote@num@bibkeys}%
5208     }%
5209   }%
5210 }
5211 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
5212   % Snag the last bibentry in the list for later comparison
5213   \let\@temp@last@bibkey\@empty%
5214   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5215   \LTRsidenote[] [#1]{%
5216     % Loop through all the bibentries, separating them with semicolons and spaces
5217     \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
5218     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5219     \@for\@temp@bibkeyx:=#2\do{%
5220       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5221         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5222           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5223           \bibentry{\@temp@bibkeyx}}%
5224         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5225           \bibentry{\@temp@bibkeyx};\ }%
5226       \stepcounter{@bidityftesidenote@num@bibkeys}%
5227     }%
5228   }%
5229 }
5230 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
5231   % Snag the last bibentry in the list for later comparison
5232   \let\@temp@last@bibkey\@empty%
5233   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%

```



```

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

```



```

5284 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
5285   \@bidityftesidenote@add@citation{#1}
5286 }
5287 %%
5288 % Set the default \cite style. This is set and reset by the \sidenote command.
5289 \let\cite\@bidityftesidenote@normal@cite
5290 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
5291 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
5292 %%
5293 % Transform existing \footnotes into \sidenotes
5294 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
5295 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5296 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5297 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5298 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5299 % sidenote's text block.
5300 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@font}
5301 % Set the in-text footnote mark in the same typeface as the body text itself.
5302 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize
5303 \providecommand*\@multiplefootnotemark}{3sp}
5304 \providecommand*\@multfootsep}{,}
5305 \bidi@patch@AfterPackage{bidi}{%
5306 \renewcommand{\@footnotemark}{%
5307   \leavevmode%
5308   \ifhmode%
5309     \edef\@xsf{\the\spacefactor}%
5310     \@bidityftesidenote@check@multiple@sidenotes%
5311     \nobreak%
5312   \fi%
5313   \@makefnmark%
5314   \ifhmode\spacefactor\@xsf\fi%
5315   \relax%
5316 }%
5317 }
5318 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
5319   \ifdim\lastkern=\multiplefootnotemark\relax%
5320     \edef\@xsf{\the\spacefactor}%
5321     \unkern%
5322     \textsuperscript{\multfootsep}%
5323     \spacefactor\@xsf\relax%
5324   \fi
5325 }
5326 \bidi@patch@AfterPackage{bidi}{%
5327 \renewcommand\@footnotetext[2][Opt]{%
5328   \bidityftesidenotemarginpar{%
5329     \hbox{\vspace*{#1}}%
5330     \def\baselinestretch {\setspace@singlespace}%
5331     \reset@font%
5332     \bidi@footnotetext@font% \reset@font\footnotesize%
5333     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text

```





```

5334 \vspace*{-1\baselineskip}\noindent%
5335 \protected@edef\@currentlabel{%
5336     \csname p@footnote\endcsname\@thefnmark%
5337 }%
5338 \color@begingroup%
5339     \@makefnintext{%
5340         \ignorespaces#2%
5341     }%
5342 \color@endgroup%
5343 }%
5344 }%
5345 \renewcommand\@LTRfootnotetext[2][0pt]{%
5346     \LTRbidityftesidenotemarginpar{%
5347         \hbox{}\vspace*{#1}%
5348         \def\baselinestretch {\setspace@singlespace}%
5349         \reset@font%
5350         \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5351         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5352         \vspace*{-1\baselineskip}\noindent%
5353         \protected@edef\@currentlabel{%
5354             \csname p@footnote\endcsname\@thefnmark%
5355         }%
5356         \color@begingroup%
5357             \@makefnintext{%
5358                 \ignorespaces#2%
5359             }%
5360         \color@endgroup%
5361     }%
5362 }%
5363 \renewcommand\@RTLfootnotetext[2][0pt]{%
5364     \RTLbidityftesidenotemarginpar{%
5365         \hbox{}\vspace*{#1}%
5366         \def\baselinestretch {\setspace@singlespace}%
5367         \reset@font%
5368         \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5369         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5370         \vspace*{-1\baselineskip}\noindent%
5371         \protected@edef\@currentlabel{%
5372             \csname p@footnote\endcsname\@thefnmark%
5373         }%
5374         \color@begingroup%
5375             \@makefnintext{%
5376                 \ignorespaces#2%
5377             }%
5378         \color@endgroup%
5379     }%
5380 }%
5381 }
5382 %
5383 % Define \sidenote command. Can handle \cite.

```



```

5384 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5385 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5386 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5387 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5388   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5389   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5390   \ifthenelse{NOT\isempty{#2}}{%
5391     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5392   }{%
5393     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5394   }%
5395   \ifthenelse{\isempty{#1}}{%
5396     % no specific footnote number provided
5397     \stepcounter\@mpfn%
5398     \protected@xdef\@thefnmark{\thempfn}%
5399     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5400   }{%
5401     % specific footnote number provided
5402     \begingroup%
5403       \csname c@\@mpfn\endcsname #1\relax%
5404       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5405     \endgroup%
5406     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5407   }%
5408   \@bidityftesidenote@print@citations%             print any citations
5409   \let\cite\@bidityftesidenote@normal@cite%         go back to using normal in-text \cite command
5410   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%   go back to using normal in-text \LTRcite
5411   \let\RTLcite\@bidityfteRTLSidenote@normal@cite%   go back to using normal in-text \RTLcite
5412   \unskip\ignorespaces%                             remove extra white space
5413   \kern-\multiplefootnotemark%                       remove \kern left behind by sidenote
5414   \kern\multiplefootnotemark\relax% add new \kern here to replace the one we yanked
5415 }
5416 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5417   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5418   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5419   \ifthenelse{NOT\isempty{#2}}{%
5420     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5421   }{%
5422     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5423   }%
5424   \ifthenelse{\isempty{#1}}{%
5425     % no specific footnote number provided
5426     \stepcounter\@mpfn%
5427     \protected@xdef\@thefnmark{\thempfn}%
5428     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5429   }{%
5430     % specific footnote number provided
5431     \begingroup%
5432       \csname c@\@mpfn\endcsname #1\relax%
5433       \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

5434 \endgroup%
5435 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5436 }%
5437 \@bidityftesidenote@print@citations% print any citations
5438 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5439 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5440 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5441 \unskip\ignorespaces% remove extra white space
5442 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5443 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5444 }
5445 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5446 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5447 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5448 \ifthenelse{NOT\isempty{#2}}{%
5449 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5450 }{%
5451 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5452 }%
5453 \ifthenelse{\isempty{#1}}{%
5454 % no specific footnote number provided
5455 \stepcounter\@mpfn%
5456 \protected@xdef\@thefnmark{\thempfn}%
5457 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5458 }{%
5459 % specific footnote number provided
5460 \beginngroup%
5461 \csname c@\@mpfn\endcsname #1\relax%
5462 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5463 \endgroup%
5464 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5465 }%
5466 \@bidityftesidenote@print@citations% print any citations
5467 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5468 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5469 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5470 \unskip\ignorespaces% remove extra white space
5471 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5472 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5473 }
5474 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5475 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
5476 \newcommand{\RTLSidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
5477 \bidi@patch@AfterPackage{bidi}{%
5478 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5479 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5480 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
5481 }
5482 %%
5483 % Sidenote without the footnote mark

```



```

5484 \newcommand\marginnote[2][Opt]{%
5485   \let\cite\@bidityftesidenote@infotnote@cite%   use the in-sidenote \cite command
5486   \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5487   \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@font
5488   \@bidityftesidenote@print@citations%           print any citations
5489   \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite command
5490   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5491   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5492 }
5493 \newcommand\LTRmarginnote[2][Opt]{%
5494   \let\cite\@bidityftesidenote@infotnote@cite%   use the in-sidenote \cite command
5495   \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5496   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@font
5497   \@bidityftesidenote@print@citations%           print any citations
5498   \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite command
5499   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5500   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5501 }
5502 \newcommand\RTLmarginnote[2][Opt]{%
5503   \let\cite\@bidityftesidenote@infotnote@cite%   use the in-sidenote \cite command
5504   \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5505   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@font
5506   \@bidityftesidenote@print@citations%           print any citations
5507   \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite command
5508   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5509   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5510 }

```

## 24 File bidityfttetoc.sty

```

5511 \NeedsTeXFormat{LaTeX2e}
5512 \ProvidesPackage{bidityfttetoc}[2011/06/17 v0.1
5513 bidi implementation of tufte toc]
5514 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5515 \newcommand{\@bidityfttetoc@pkgname}{bidityfttetoc}
5516 \newcommand{\bidityfttetocError}[2]{\PackageError{\@bidityfttetoc@pkgname}{#1}{#2}}
5517 %%
5518 % Turn off section numbering
5519 \setcounter{secnumdepth}{-1}
5520 \newboolean{\@bidityfttetoc@toc}
5521 \setboolean{\@bidityfttetoc@toc}{true}
5522 \DeclareOption{notoc}{\setboolean{\@bidityfttetoc@toc}{false}}
5523 \DeclareOption{toc}{\setboolean{\@bidityfttetoc@toc}{true}}
5524 \ProcessOptions
5525 %%
5526 % Make Tufteian-style section headings and TOC formatting
5527 \bidity@patch@AfterPackage{bidi}{%
5528   \titleformat{\chapter}%
5529     [display]% shape
5530     {\relax\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format ap

```



```

5531 {\itshape\huge\thechapter}% label
5532 {0pt}% horizontal separation between label and title body
5533 {\huge\rmfamily\itshape}% before the title body
5534 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}]% after the title body
5535 \titleformat{\section}%
5536 [hang]% shape
5537 {\normalfont\Large\itshape}% format applied to label+text
5538 {\thesection}% label
5539 {1em}% horizontal separation between label and title body
5540 {}% before the title body
5541 []% after the title body
5542 \titleformat{\subsection}%
5543 [hang]% shape
5544 {\normalfont\large\itshape}% format applied to label+text
5545 {\thesubsection}% label
5546 {1em}% horizontal separation between label and title body
5547 {}% before the title body
5548 []% after the title body
5549 \titleformat{\paragraph}%
5550 [runin]% shape
5551 {\normalfont\itshape}% format applied to label+text
5552 {\theparagraph}% label
5553 {1em}% horizontal separation between label and title body
5554 {}% before the title body
5555 []% after the title body
5556 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5557 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5558 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5559 }
5560 % Subsubsection and following section headings shouldn't be used.
5561 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5562 \renewcommand\subsubsection{%
5563   \biditytetoctocError{\noexpand\subsubsection is undefined by this class.%
5564     \MessageBreak See Robert Bringhurst's _The Elements of
5565     \MessageBreak Typographic Style_, section 4.2.2.
5566     \MessageBreak \noexpand\subsubsection was used}
5567   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5568     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5569     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoctoc.com/.}
5570 }
5571 \renewcommand\subparagraph{%
5572   \biditytetoctocError{\noexpand\subparagraph is undefined by this class.%
5573     \MessageBreak See Robert Bringhurst's _The Elements of
5574     \MessageBreak Typographic Style_, section 4.2.2.
5575     \MessageBreak \noexpand\subparagraph was used}
5576   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5577     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5578     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoctoc.com/.}
5579 }
5580 % Formatting for main TOC (printed in front matter)

```



```

5581% {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5582\ifthenelse{\boolean{@biditytetoc@toc}}{%
5583  \bidi@patch@AfterPackage{bidi}{%
5584    \titlecontents{part}% FIXME
5585      [0em] % distance from left margin
5586      {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5587      {\contentslabel{2em}} % before w/label (label = ``II'')
5588      {} % before w/o label
5589      {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5590      [\end{fullwidth}] % after
5591    \titlecontents{chapter}%
5592      [0em] % distance from left margin
5593      {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5594      {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5595      {\hspace*{0em}} % before w/o label
5596      {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5597      [\end{fullwidth}] % after
5598    \titlecontents{section}% FIXME
5599      [0em] % distance from left margin
5600      {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5601      {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5602      {\hspace*{2em}} % before w/o label
5603      {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5604      [\end{fullwidth}] % after
5605    \titlecontents{subsection}% FIXME
5606      [0em] % distance from left margin
5607      {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5608      {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5609      {\hspace*{4em}} % before w/o label
5610      {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5611      [\end{fullwidth}] % after
5612    \titlecontents{paragraph}% FIXME
5613      [0em] % distance from left margin
5614      {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global for
5615      {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5616      {\hspace*{6em}} % before w/o label
5617      {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5618      [\end{fullwidth}] % after
5619}%
5620}{%
5621%%
5622% Format lists of figures/tables
5623\renewcommand\listoffigures{%
5624  \ifundefined{chapter}%
5625    {\section*{\listfigurename}}%
5626    {\chapter*{\listfigurename}}%
5627% \begin{fullwidth}%
5628% \starttoc{lof}%
5629% \end{fullwidth}%
5630}

```



```

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

```

## 25 File bidityftgeneralstructure.sty

```

5657 \NeedsTeXFormat{LaTeX2e}
5658 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5659 bidi implementation of tufte general structure]
5660 \renewcommand\small{%
5661   \@setfontsize\small\@ixpt{12}%
5662   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5663   \abovedisplayshortskip \z@ \@plus2\p@
5664   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5665   \def\@listi{\leftmargin\leftmargini
5666             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5667             \parsep 2\p@ \@plus\p@ \@minus\p@
5668             \itemsep \parsep}%
5669   \belowdisplayskip \abovedisplayskip
5670 }
5671 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5672 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5673 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5674 \renewcommand\Large{\@setfontsize\Large\@xvpt{16}}
5675 \renewcommand\LARGE{\@setfontsize\LARGE\@xvpt{18}}
5676 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5677 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}

```



```

5678 \setlength\leftmargini {1pc}
5679 \setlength\leftmarginii {1pc}
5680 \setlength\leftmarginiii {1pc}
5681 \setlength\leftmarginiv {1pc}
5682 \setlength\leftmarginv {1pc}
5683 \setlength\leftmarginvi {1pc}
5684 \setlength\labelsep {.5pc}
5685 \setlength\labelwidth {\leftmargini}
5686 \addtolength\labelwidth{-\labelsep}
5687 \setlength{\parindent}{1.0pc}%
5688 \setlength{\parskip}{0pt}%
5689 \RequirePackage{ragged2e}
5690 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5691 % Paragraph indentation and separation for normal text
5692 \newcommand{\@biditytgeneralstructure@reset@par}{%
5693 \setlength{\RaggedRightParindent}{1.0pc}%
5694 \setlength{\JustifyingParindent}{1.0pc}%
5695 \setlength{\parindent}{1pc}%
5696 \setlength{\parskip}{0pt}%
5697 }
5698 \@biditytgeneralstructure@reset@par
5699 % Require paralist package for tighter lists
5700 \RequirePackage{paralist}
5701 % Add rightmargin to compactenum
5702 \def\@compactenum{%
5703 \expandafter\list\csname label\@enumctr\endcsname{%
5704 \usecounter{\@enumctr}%
5705 \rightmargin=2em% added this
5706 \parsep\plparsep
5707 \itemsep\plitemsep
5708 \topsep\pltopsep
5709 \partopsep\plpartopsep
5710 \def\makelabel##1{\hss\llap{##1}}}}
5711 %%
5712 % An environment for paragraph-style section
5713 \providecommand\newthought[1]{%
5714 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5715 \noindent\textbf{#1}%
5716 }
5717 %%
5718 % Redefine the display environments (quote, quotation, etc.)
5719 \renewenvironment{verse}
5720 {\let\@centercr
5721 \list{}\itemsep \z@
5722 \itemindent -1pc%
5723 \listparindent\itemindent
5724 \rightmargin \leftmargin
5725 \advance\leftmargin 1pc}%
5726 \small%
5727 \item\relax}

```





```

5728             {\endlist}
5729 \renewenvironment{quotation}
5730             {\list{}{\listparindent 1pc%
5731                     \itemindent \listparindent
5732                     \rightmargin \leftmargin
5733                     \parsep \z@ \@plus\p@}%
5734             \small%
5735             \item\relax\noindent\ignorespaces}
5736             {\endlist}
5737 \renewenvironment{quote}
5738             {\list{}{\rightmargin\leftmargin}%
5739             \small%
5740             \item\relax}
5741             {\endlist}
5742 % Italicize description run-in headings (instead of the default bold)
5743 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5744 %%
5745 % Redefine \bibsection to not mark the running heads.
5746 % (Code modified from natbib.sty.)
5747 \@ifundefined{chapter}%
5748 {\renewcommand\bibsection{\section*{\refname}}}
5749 {\@ifundefined{NAT@sectionbib}%
5750 {\renewcommand\bibsection{\chapter{\bibname}}}
5751 {\renewcommand\bibsection{\section*{\bibname}}}}
5752 \RequirePackage{multicol}
5753 \renewenvironment{theindex}{%
5754 \@ifundefined{chapter}%
5755 {\section*{\indexname}}%
5756 {\chapter{\indexname}}%
5757 \begin{fullwidth}%
5758 \small%
5759 \parskip0pt%
5760 \parindent0pt%
5761 \let\item\@idxitem%
5762 \begin{multicols}{3}%
5763 }{%
5764 \end{multicols}%
5765 \end{fullwidth}%
5766 }
5767 \AtBeginDocument{%
5768 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5769 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5770 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5771 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5772 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

## 26 File bidituftehyperref.sty

```

5773 \NeedsTeXFormat{LaTeX2e}
5774 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1

```



```

5775 bidi implementation of tufte hyperref]
5776 %%
5777 % Color
5778 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5779 \newboolean{@biditytuftehyperref@loadhyper}
5780 \setboolean{@biditytuftehyperref@loadhyper}{true}
5781 \DeclareOption{hyper}{\setboolean{@biditytuftehyperref@loadhyper}{true}}
5782 \DeclareOption{nohyper}{\setboolean{@biditytuftehyperref@loadhyper}{false}}
5783 \ProcessOptions
5784 %% Loads the hyperref package and sets some default options.
5785 \newcommand{\biditytuftehyperrefLoadHyperref}{%
5786 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5787 \hypersetup{%
5788     bookmarksdepth = section,
5789     citecolor = DarkGreen,
5790     linkcolor = DarkBlue,
5791 %    pagecolor = DarkBlue,
5792     urlcolor = DarkGreen,
5793 }%
5794 }
5795 \ifthenelse{\boolean{@biditytuftehyperref@loadhyper}}{%
5796 \biditytuftehyperrefLoadHyperref%
5797 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5798 \PassOptionsToPackage[hyperfootnotes=false]{hyperref}
5799 }

```

## 27 File biditytufтетitle.sty

```

5800 \NeedsTeXFormat{LaTeX2e}
5801 \ProvidesPackage{biditytufтетitle}[2011/06/18 v0.1
5802 bidi implementation of tufte title]
5803 \RequirePackage{biditytools}
5804 %%
5805 % 'titlepage' option -- creates a full title page with \maketitle
5806 \newboolean{@biditytufтетitle@titlepage}
5807 \DeclareOption{titlepage}{\setboolean{@biditytufтетitle@titlepage}{true}}
5808 \DeclareOption{notitlepage}{\setboolean{@biditytufтетitle@titlepage}{false}}
5809 % Default 'book' and 'handout' options
5810 \@ifclassloaded{book}{%
5811 \ExecuteOptions{titlepage}}{%
5812 \@ifclassloaded{article}{%
5813 \ExecuteOptions{notitlepage}}%
5814 {}}
5815 \ProcessOptions
5816 %%
5817 % Modified \title, \author, and \date commands. These store the
5818 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5819 \newcommand{\plaintitle}{}% plain-text-only title
5820 \newcommand{\plainauthor}{}% plain-text-only author
5821 \newcommand{\plainpublisher}{}% plain-text-only publisher

```



```

5822 \newcommand{\thanklesstitle}{}%      full title text minus \thanks{}
5823 \newcommand{\thanklessauthor}{}%     full author text minus \thanks{}
5824 \newcommand{\thanklesspublisher}{}%   full publisher minus \thanks{}
5825 \newcommand{\@publisher}{}% full publisher with \thanks{}
5826 \newcommand{\thedata}{\today}
5827 \bidi@patch@AfterPackage{bidi}{%
5828 \renewcommand{\thanks}[1]{\footnote{#1}}
5829 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5830 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5831 }
5832 \renewcommand{\title}[2][{}]{%
5833 \gdef\@title{#2}%
5834 \begingroup%
5835 % TODO store contents of \thanks command
5836 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5837 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5838 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5839 \protected@xdef\thanklesstitle{#2}%
5840 \endgroup%
5841 \ifthenelse{\isempty{#1}}{%
5842 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5843 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5844 \@ifundefined{hypersetup}%
5845 {}% hyperref is not loaded; do nothing
5846 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5847 }
5848 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5849 \renewcommand{\author}[2][{}]{%
5850 \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
5851 \begingroup%
5852 % TODO store contents of \thanks command
5853 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5854 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5855 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5856 \protected@xdef\thanklessauthor{#2}%
5857 \endgroup%
5858 \ifthenelse{\isempty{#1}}{%
5859 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5860 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5861 \@ifundefined{hypersetup}%
5862 {}% hyperref is not loaded; do nothing
5863 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5864 }
5865 \renewcommand{\date}[1]{%
5866 \gdef\@date{#1}%
5867 \begingroup%
5868 % TODO store contents of \thanks command
5869 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5870 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5871 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents

```



```

5872 \protected@xdef\thedata{#1}%
5873 \endgroup%
5874 }
5875 %%
5876 % Provides a \publisher command to set the publisher
5877 \newcommand{\publisher}[2] [] {%
5878 \gdef\@publisher{#2}%
5879 \begingroup%
5880 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5881 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5882 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5883 \protected@xdef\thanklesspublisher{#2}%
5884 \endgroup%
5885 \ifthenelse{\isempty{#1}}
5886 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5887 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5888 }
5889 %%
5890 % Produces a full title page
5891 \newcommand{\maketitlepage}[0] {%
5892 \cleardoublepage%
5893 {%
5894 \bfseries%
5895 \begin{fullwidth}%
5896 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5897 \vspace{11.5pc}%
5898 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5899 \vfill%
5900 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5901 \end{fullwidth}%
5902 }
5903 \thispagestyle{empty}%
5904 \clearpage%
5905 }
5906 %%
5907 % Title block
5908 \bidi@AfterEndPreamble{%
5909 \renewcommand{\maketitle}{%
5910 \newpage%
5911 \global\@topnum\z@% prevent floats from being placed at the top of the page
5912 \begingroup%
5913 \setlength{\parindent}{0pt}%
5914 \setlength{\parskip}{4pt}%
5915 \let\@title\@empty%
5916 \let\@author\@empty%
5917 \let\@date\@empty%
5918 \gdef\@title{\LARGE\itshape\@title\par}%
5919 \gdef\@author{\Large\itshape\@author\par}%
5920 \gdef\@date{\Large\itshape\@date\par}%
5921 \@title%

```



```

5922 \@@author%
5923 \@@date%
5924 \endgroup%
5925 \thispagestyle{plain}% suppress the running head
5926 }%
5927 }
5928 %%
5929 % Title page (if the `titlepage' option was passed to the bidentufte-handout
5930 % class.)
5931 \bidentufte@AfterEndPreamble{%
5932 \ifthenelse{\boolean{@bidentufte@titlepage}}
5933 {\renewcommand{\maketitle}{\maketitlepage}}
5934 {}
5935 }
5936 %%
5937 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5938 % without headers and footers
5939 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5940 \hbox{}
5941 %\vspace*{\fill}
5942 %\begin{center}
5943 % This page intentionally contains only this sentence.
5944 %\end{center}
5945 %\vspace{\fill}
5946 \thispagestyle{empty}
5947 \newpage
5948 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

## 28 File bidentufte-handout.cls

```

5949 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5950 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5951 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5952 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5953 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5954 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5955 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5956 \ProcessOptions\relax
5957 \LoadClass{article}
5958 \RequirePackage{bidentuftefloat}
5959 \RequirePackage{bidentuftesidenote}
5960 \RequirePackage{bidentuftetoc}
5961 \RequirePackage{bidentuftegeneralstructure}
5962 \RequirePackage{bidentuftehyperref}
5963 \RequirePackage{bidentuftetitle}
5964 \renewenvironment{abstract}
5965 {\begin{quotation}}
5966 {\end{quotation}}
5967 \AtBeginDocument{%
5968 \IfFileExists{bidentufte-handout.cfg}

```



```

5969 {\input{biditufte-handout.cfg}
5970 \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5971 {}%
5972 }

```

## 29 File biditufte-book.cls

```

5973 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5974 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5975 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5976 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5977 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5978 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5979 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5980 \ProcessOptions\relax
5981 \LoadClass{book}
5982 \RequirePackage{bidituftefloat}
5983 \RequirePackage{bidituftesidenote}
5984 \RequirePackage{bidituftetoc}
5985 \RequirePackage{bidituftegeneralstructure}
5986 \RequirePackage{bidituftehyperref}
5987 \RequirePackage{bidituftetitle}
5988 %%
5989 % Set up any book-specific stuff now
5990 %%
5991 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5992 % to the opening page of Chapter 1. The running heads, when they appear,
5993 % contain only the (arabic) page number in the outside corner.
5994 %\newif\if@mainmatter \@mainmattertrue
5995 \renewcommand\frontmatter{%
5996   \cleardoublepage%
5997   \@mainmatterfalse%
5998   \pagenumbering{arabic}%
5999   %\pagestyle{plain}%
6000   \fancyhf{}%
6001   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
6002     {\fancyhead[LE,RO]{\thepage}}%
6003     {\fancyhead[RE,RO]{\thepage}}%
6004   }
6005   %%
6006 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
6007 % numbering---it continues where it left off in the front matter.
6008 \renewcommand\mainmatter{%
6009   \cleardoublepage%
6010   \@mainmattertrue%
6011   \fancyhf{}%
6012   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
6013     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
6014     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
6015     {\fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title

```



```

6016      {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
6017 }
6018 %%
6019 % The back matter contains appendices, indices, glossaries, endnotes,
6020 % biliographies, list of contributors, illustration credits, etc.
6021 \renewcommand\backmatter{%
6022   \if@openright%
6023     \cleardoublepage%
6024   \else%
6025     \clearpage%
6026   \fi%
6027   \@mainmatterfalse%
6028 }
6029 %%
6030 % Only show the chapter titles in the table of contents
6031 \setcounter{tocdepth}{0}
6032 \AtBeginDocument{%
6033   \IfFileExists{biditufte-book.cfg}
6034   {\input{biditufte-book.cfg}
6035    \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
6036   {}%
6037 }

```

### 30 File bidipoem.sty

```

6038 \NeedsTeXFormat{LaTeX2e}
6039 \ProvidesPackage{bidipoem}%
6040 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
6041
6042 % Usage:
6043 %
6044 % \Setversedim #1#2 % define the layout (within a group):
6045 % #1 = length of both half-verses
6046 % #2 = separation distance = length of a connection, if present
6047 % Variant:
6048 % \Setversedim #1[#2]#3 % for half-verses of unequal length
6049 % #1 = length of first (=right) half-verse
6050 % #2 = length of second (=left) half-verse
6051 % #3 = separation distance = length of a connection, if present
6052 %
6053 % \traditionalhalfverses #1#2 % typeset two separated half-verses
6054 % #1 = text of first (=right) half-verse
6055 % #2 = text of second (=left) half-verse
6056 % Variant:
6057 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
6058 % #1 = text of first (=right) half-verse
6059 % #2 = text of connection
6060 % #3 = text of second (=left) half-verse
6061 %
6062 % Alternative (if preferred):

```



```

6063 %
6064 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
6065
6066
6067 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
6068
6069 % define the layout, verses will be centered
6070
6071 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
6072 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
6073
6074 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
6075 \bidipoem@hvind \textwidth
6076 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
6077 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
6078 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
6079
6080 \def \bidipoem@set@verseI [#1]{% optional parameter
6081 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
6082
6083 \newcommand*{\bidipoem@set@@verse}[1]{% separation
6084 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
6085 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
6086
6087 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
6088 \ifdim Opt > \bidipoem@hvind %
6089 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
6090 \else
6091 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
6092 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
6093 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
6094 \par }
6095
6096 % macro for two half verses
6097 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
6098 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
6099 \else\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
6100 \bidipoem@half@verses@next}
6101
6102 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
6103 \traditionalconnverses {#1}{#2}{#3}}
6104
6105
6106 {\catcode\^M=\active % these lines must end with %
6107 \gdef\traditionalpoem@obeylines{\catcode\^M=\active \let\^M\traditionalpoem@par}%
6108 \global\let\^M\traditionalpoem@par} % this is in case ^M appears in a \write
6109 {\catcode\^M=\active % these lines must end with %
6110 \gdef\modernpoem@obeylines{\catcode\^M=\active \let\^M\modernpoem@par}%
6111 \global\let\^M\modernpoem@par} % this is in case ^M appears in a \write
6112 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}

```





```

6113 \def\poemmarginskip{1em plus 1fil minus 1em}
6114 \def\poemextrabaseskip{0\baselineskip}
6115 \def\poemskip{\medskip}
6116 \newcommand{\bidipoem@openbox}{\leavevmode
6117   \hbox to.77778em{%
6118     \hfil\vrule
6119     \vbox to.675em{\hrule width.6em\vfil\hrule}%
6120     \vrule\hfil}}
6121 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
6122 \newdimen\versewidth
6123 \newtoks\bidipoem@p@ftn
6124 \def\poem@verse#1{%
6125   \ifdim\wd#1>\new@poem@width
6126     \xdef\new@poem@width{\the\wd#1}%
6127   \ifdim\new@poem@width>\poem@width
6128     \xdef\poem@width{\new@poem@width}%
6129   \global\let\poem@needrun\relax
6130 \fi
6131 \fi
6132 \hbox to\poem@width{\unhbox#1}%
6133 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
6134 }
6135 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
6136 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
6137 \def\poem@lineversesep{%
6138 \nobreak
6139 \hskip\z@ plus 1filll%
6140 \penalty600%
6141 \hskip\poemcolsepskip
6142 \hskip\z@ plus -2filll%
6143 \vadjust{}}%
6144 \nobreak
6145 \hskip\z@ plus 1filll%
6146 }
6147 \def\poem@lineparsebegin{%
6148 \halign\bgroup
6149 \global\setbox\verse@i=\hbox{%
6150 \let\@footnotetext\bidipoem@p@ftntext%
6151 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6152 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6153 \let\@xfootnotenext\bidipoem@p@xftntext%
6154 \let\@xfootnote\bidipoem@p@xfootnote%
6155 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6156 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6157 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6158 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6159 \ignorespaces##\unskip}&&
6160 \global\setbox\verse@ii=\hbox{%
6161 \let\@footnotetext\bidipoem@p@ftntext%
6162 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%

```



```

6163 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6164 \let\@xfootnotenext\bidipoem@p@xftntext%
6165 \let\@xfootnote\bidipoem@p@xfootnote%
6166 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6167 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6168 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6169 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6170 \ignorespaces##\unskip}
6171 \cr
6172 }
6173 \def\poem@lineparseend{%
6174 \crr\egroup
6175 \vskip-\baselineskip
6176 }
6177 \def\traditionalpoem@cr{%
6178 \cr\poem@line
6179 }
6180 \newbox\verse@i
6181 \newbox\verse@ii
6182 \newif\ifpoem@started
6183
6184 \def\poem@line{%
6185 \poem@lineparseend
6186 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6187 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6188 \ifpoem@started
6189 \ifdim\wd\verse@ii>\z@\else
6190 \nopagebreak[3]
6191 \fi
6192 \leavevmode
6193 \poem@linebegin
6194 \poem@verse\verse@i
6195 \ifdim\wd\verse@ii>\z@
6196 \poem@lineversesep
6197 \poem@verse\verse@ii
6198 \fi
6199 \poem@lineend
6200 % \nopagebreak
6201 \par
6202 \vskip\poemextrabaselineskip
6203 \fi
6204 \poem@lineparsebegin
6205 }
6206 \def\@traditionalpoem{%
6207 \stepcounter{poem@no}
6208 \ifnum\max@poem@no<\number\c@poem@no%
6209 \xdef\poem@width{\z@}%
6210 \else
6211 \xdef\poem@width{\poem@prop{poem@width}}%
6212 \fi

```



```

6213 \xdef\new@poem@width{\z@}%
6214 \global\versewidth=\poem@width
6215 \poemskip\par
6216 \begingroup
6217 \tabskip=\z@
6218 \parskip=\z@
6219 \parindent=\z@
6220 \parfillskip=\z@
6221 \rightskip=\z@
6222 \leftskip=\z@
6223 \widowpenalty=10000% No break between verses of the same line.
6224 \clubpenalty=10000% Same as above. Not really needed.
6225 \def\newblock{\hfil\poemblocksep\hfil\null}%
6226 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6227 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
6228 \global\poem@startedfalse
6229 \csname poem@obeylines\endcsname
6230 \let\poem@obeylines\relax
6231 \poem@lineparsebegin
6232 }
6233 \def\@endtraditionalpoem{%
6234 \cr
6235 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6236 \noalign{%
6237 \skip0=\poemextrabaselineskip
6238 \vskip-\skip0
6239 \vskip-\baselineskip
6240 }%
6241 \fi\fi
6242 \poem@lineparseend
6243 \endgroup
6244 \par
6245 \vskip\baselineskip
6246 \poemskip
6247 \ifdim\new@poem@width<\poem@width
6248 \global\let\poem@needrun\relax
6249 \fi
6250 \poem@write@aux{\poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
6251 \ifx\AtEndDocument\undefined\poem@finish\fi
6252 \@endparenv
6253 }
6254
6255
6256 \long\def\bidipoem@p@ftntext#1{%
6257 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]]}%
6258 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6259 \long\def\bidipoem@p@LTRftntext#1{%
6260 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]]}%
6261 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6262 \long\def\bidipoem@p@RTLftntext#1{%

```



```

6263 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}
6264 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6265
6266 \long\def\bidipoem@p@xftntext[#1]#2{%
6267   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6268
6269 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6270   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
6271
6272 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6273   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
6274
6275 \def\bidipoem@p@xfootnote[#1]{%
6276   \begingroup
6277     \csname c@\mpfn\endcsname #1\relax
6278     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6279   \endgroup
6280   \@footnotemark\bidipoem@p@xftntext[#1]}
6281
6282 \def\bidipoem@p@xLTRfootnote[#1]{%
6283   \begingroup
6284     \csname c@\mpfn\endcsname #1\relax
6285     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6286   \endgroup
6287   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6288
6289 \def\bidipoem@p@xRTLfootnote[#1]{%
6290   \begingroup
6291     \csname c@\mpfn\endcsname #1\relax
6292     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6293   \endgroup
6294   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6295
6296
6297
6298 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6299 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
6300 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6301 \def\poem@finish{%
6302 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6303 \ifx\poem@needrun\relax
6304 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6305 \global\let\poem@needrun\undefined
6306 \fi
6307 }
6308 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6309 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6310 \ifx\max@poem@no\undefined
6311   \def\max@poem@no{0}%
6312 \fi

```



```

6313 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral@c@poem@no}}
6314 \newcommand{\poem@write@aux}[2]{%
6315     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6316     \@x
6317 }
6318 \def\@modernpoem{%
6319 \par
6320 \begingroup
6321 \parskip=\z@
6322 \parindent=\z@
6323 \def\[{ \@settab\@tabplus\ignorespaces}%
6324 \def\] {\@tabminus\ignorespaces}%
6325 \def\newblock{\poemblocksep}%
6326 \let\newpoem@tabcr\@tabcr
6327 \def\modernpoem@par{% Redefine \par for possible \obeylines
6328     \ifpoem@started\else
6329         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6330             \@stopfield
6331             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6332             \@contfield
6333         \fi
6334     \fi
6335     \ifpoem@started\newpoem@tabcr\fi}%
6336 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6337 \global\poem@startedfalse
6338 \csname poem@obeylines\endcsname
6339 \let\poem@obeylines\relax
6340 \begin{tabbing}%
6341 }
6342 \def\@endmodernpoem{%
6343 \global\poem@startedfalse
6344 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6345     \@stopfield
6346     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6347     \@contfield
6348 \fi
6349 \ifpoem@started\else\let\@stopline\@stopfield\fi
6350 \end{tabbing}%
6351 \endgroup
6352 \par
6353 \if@nparlist \else
6354     \ifdim\lastskip >\z@
6355         \@tempskipa\lastskip \vskip -\lastskip
6356         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6357         \vskip\@tempskipa
6358     \fi
6359     \@endparenv
6360 \fi
6361 }
6362 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}

```



```

6363 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modern
6364 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6365 \gdef\@startfield{%
6366 \global\setbox\@curfield\hbox\bgroup%
6367 \let\@footnotetext\bidipoem@p@ftntext%
6368 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6369 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6370 \let\@xfootnotenext\bidipoem@p@xftntext%
6371 \let\@xfootnote\bidipoem@p@xfootnote%
6372 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6373 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6374 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6375 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6376 \color@begingroup}
6377 \gdef\@stopfield{%
6378 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6379 \gdef\@contfield{%
6380 \global\setbox\@curfield\hbox\bgroup%
6381 \let\@footnotetext\bidipoem@p@ftntext%
6382 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6383 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6384 \let\@xfootnotenext\bidipoem@p@xftntext%
6385 \let\@xfootnote\bidipoem@p@xfootnote%
6386 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6387 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6388 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6389 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6390 \color@begingroup\unhbox\@curfield}

```

## 31 File boek3-xetex-bidi.def

```

6391 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6392 \renewenvironment{theindex}{%
6393 \if@twocolumn
6394 \@restonecolfalse
6395 \else
6396 \@restonecoltrue
6397 \fi
6398 \columnseprule \z@
6399 \columnsep 35\p@
6400 \twocolumn[\@makeschapterhead{\indexname}]%
6401 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6402 \thispagestyle{plain}\parindent\z@
6403 \parskip\z@ \@plus .3\p@\relax
6404 \let\item\@idxitem
6405 }{%
6406 \if@restonecol\onecolumn\else\clearpage\fi}
6407 \renewcommand*{head@style}{%
6408 \interlinepenalty \@M
6409 \hyphenpenalty=\@M \exhyphenpenalty=\@M

```



```

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

```



```

6460 \hskip -\if@RTL\rightskip\else\leftskip\fi
6461 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6462 \penalty\@highpenalty
6463 \endgroup}
6464 \else
6465 \renewcommand*\l@chapter{\@regtocline{0}}
6466 \fi
6467 \renewenvironment{abstract}{%
6468 \titlepage
6469 \null\vfil
6470 \section*{\SectFont \abstractname}
6471 \noindent\ignorespaces}
6472 {\par\vfil\null\endtitlepage}
6473 \renewenvironment{thebibliography}[1]
6474 {\chapter*{\bibname}%
6475 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6476 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6477 \bidi@thebibliography@font@hook%
6478 \list{\@biblabel{\@arabic\c@enumiv}}%
6479 {\settowidth\labelwidth{\@biblabel{#1}}%
6480 \leftmargin\labelwidth
6481 \advance\leftmargin\labelsep
6482 \@openbib@code
6483 \usecounter{enumiv}%
6484 \let\p@enumiv\@empty
6485 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6486 \sloppy\clubpenalty4000\widowpenalty4000%
6487 \sfcode`.\@m}
6488 {\def\@noitemerr
6489 {\@latex@warning{Empty `thebibliography' environment}}%
6490 \endlist}
6491 \renewcommand*\left@footnoterule{%
6492 \kern-3\p@
6493 \kern.5\baselineskip
6494 \hrule\@width\unitindent
6495 \kern.4\baselineskip
6496 }
6497 \renewcommand*\right@footnoterule{%
6498 \kern-3\p@
6499 \kern.5\baselineskip
6500 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6501 \kern.4\baselineskip}
6502 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6503 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6504 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6505 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6506 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6507 \renewcommand*\theequation{%
6508 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6509 \renewcommand*\thefigure{%

```





```

6510 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6511 \renewcommand*\thetable{%
6512 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6513 \renewcommand*\maketitle{%
6514 \begin{titlepage}%
6515 \let\footnotesize\small
6516 \let\right@footnoterule\relax
6517 \let\left@footnoterule\relax
6518 \let\textwidth\footnoterule\relax
6519 \let \footnote \thanks
6520 \long\def\@makefnmark##1{\parindent\z@
6521 \def\labelitemi{\textendash}\@revlabeltrue
6522 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6523 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6524 \if@compatibility\setcounter{page}{0}\fi
6525 \null\vfil
6526 \vskip 60\p@
6527 \begin{center}%
6528 \TitleFont
6529 {\LARGE \def\\{\penalty -\@M}
6530 \if@allcaps
6531 \expandafter\uc@nothanks\@title\thanks\relax
6532 \else
6533 \@title
6534 \fi\par}%
6535 \vskip 3em%
6536 {\large
6537 \lineskip .75em \parindent\z@
6538 \begin{tabular}[t]{c}%
6539 \if@allcaps
6540 \expandafter\uc@author\@author\and\relax
6541 \else
6542 \@author
6543 \fi
6544 \end{tabular}\par}%
6545 \vskip 1.5em%
6546 {\large
6547 \if@allcaps
6548 \uppercase\expandafter{\@date}%
6549 \else
6550 \@date
6551 \fi\par}%
6552 \end{center}\par
6553 \@thanks
6554 \vfil\null
6555 \end{titlepage}%
6556 \setcounter{footnote}{0}%
6557 \global\let\thanks\relax
6558 \global\let\maketitle\relax
6559 \global\let\@thanks\@empty

```



```

6560 \global\let\@author\@empty
6561 \global\let\@title\@empty
6562 \global\let\@date\@empty
6563 \global\let\title\relax
6564 \global\let\author\relax
6565 \global\let\date\relax
6566 \global\let\and\relax
6567 }

```

## 32 File boek-xetex-bidi.def

```

6568 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX e
6569 \renewenvironment{theindex}{%
6570   \if@twocolumn
6571     \@restonecolfalse
6572   \else
6573     \@restonecoltrue
6574   \fi
6575   \columnseprule \z@
6576   \columnsep 35\p@
6577   \twocolumn[\@makeschapterhead{\indexname}]%
6578   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6579   \thispagestyle{plain}\parindent\z@
6580   \parskip\z@ \@plus .3\p@\relax
6581   \let\item\@idxitem
6582 }{%
6583   \if@restonecol\onecolumn\else\clearpage\fi}
6584 \renewcommand*{\head@style}{%
6585   \interlinepenalty \@M
6586   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6587   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6588 \renewcommand*{\@regtocline}[3]{%
6589   \ifnum #1>\c@tocdepth
6590   \else
6591     \vskip\z@ \@plus.2\p@
6592     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6593     \if@RTL\rightskip\else\leftskip\fi\unitindent
6594     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6595     \parfillskip\z@
6596     \@tempdima\unitindent
6597     \parindent\z@
6598     \leavevmode
6599     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6600     \hskip 1em \nobreak{\slshape #3}\par
6601   }%
6602   \fi}
6603 \if@oldtoc
6604 \renewcommand*{\l@part}[2]{%
6605   \ifnum \c@tocdepth >-2\relax
6606     \addpenalty{-\@highpenalty}%

```



```

6607 \addvspace{2.25em \@plus\p@}%
6608 \beginingroup
6609 \setlength\@tempdima{3em}%
6610 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6611 \parfillskip -\@pnumwidth
6612 {\leavevmode
6613 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6614 \nobreak
6615 \global\@nbreaktrue
6616 \everypar{\global\@nbreakfalse\everypar{}}%
6617 \endgroup
6618 \fi}
6619 \else
6620 \renewcommand*\l@part{%
6621 \ifnum \c@tocdepth >-2\relax
6622 \addpenalty{-\@highpenalty}%
6623 \addvspace{2.25em \@plus \p@}%
6624 \@regtocline{0}%
6625 \fi}
6626 \fi
6627 \if@oldtoc
6628 \renewcommand*\l@chapter[2]{%
6629 \addpenalty{-\@highpenalty}%
6630 \vskip 1.0em \@plus\p@
6631 \setlength\@tempdima{1.5em}%
6632 \beginingroup
6633 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6634 \parfillskip -\@pnumwidth
6635 \leavevmode \bfseries
6636 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6637 \hskip -\if@RTL\rightskip\else\leftskip\fi
6638 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6639 \penalty\@highpenalty
6640 \endgroup}
6641 \else
6642 \renewcommand*\l@chapter{\@regtocline{0}}
6643 \fi
6644 \renewcommand*\left@footnoterule{%
6645 \kern-3\p@
6646 \kern.5\baselineskip
6647 \hrule\@width\unitindent
6648 \kern.4\baselineskip
6649 }
6650 \renewcommand*\right@footnoterule{%
6651 \kern-3\p@
6652 \kern.5\baselineskip
6653 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6654 \kern.4\baselineskip}
6655 \renewenvironment{abstract}{%
6656 \titlepage

```



```

6657 \null\vfil
6658 \section*{\SectFont \abstractname}
6659 \noindent\ignorespaces}
6660 {\par\vfil\null\endtitlepage}
6661 \renewenvironment{thebibliography}[1]
6662 {\chapter*{\bibname}%
6663 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6664 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
6665 \bidi@thebibliography@font@hook%
6666 \list{\@biblabel{\@arabic{c@enumiv}}}%
6667 {\settowidth\labelwidth{\@biblabel{#1}}%
6668 \leftmargin\labelwidth
6669 \advance\leftmargin\labelsep
6670 \openbib@code
6671 \usecounter{enumiv}%
6672 \let\p@enumiv\@empty
6673 \renewcommand*{theenumiv}{\@arabic{c@enumiv}}}%
6674 \sloppy\clubpenalty4000\widowpenalty4000%
6675 \sfcode`.\@m}
6676 {\def\@noitemerr
6677 {\@latex@warning{Empty `thebibliography' environment}}}%
6678 \endlist}
6679 \renewcommand*{thesection}{\thechapter\@SepMark\@arabic{c@section}}
6680 \renewcommand*{thesubsection}{\thesection\@SepMark\@arabic{csubsection}}
6681 \renewcommand*{thesubsubsection}{\thesubsection\@SepMark\@arabic{csubsubsection}}
6682 \renewcommand*{theparagraph}{\thesubsubsection\@SepMark\@arabic{cparagraph}}
6683 \renewcommand*{thesubparagraph}{\theparagraph\@SepMark\@arabic{csubparagraph}}
6684 \renewcommand*{theequation}{%
6685 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@equation}}
6686 \renewcommand*{thefigure}{%
6687 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@figure}}
6688 \renewcommand*{thetable}{%
6689 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@table}}
6690 \renewcommand*{maketitle}{%
6691 \begin{titlepage}%
6692 \let\footnotesize\small
6693 \let\right@footnoterule\relax
6694 \let\left@footnoterule\relax
6695 \let\textwidth\footnoterule\relax
6696 \let \footnote \thanks
6697 \long\def\@makefnmark##1{\parindent\z@
6698 \def\labelitemi{\textendash}\@revlabeltrue
6699 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6700 \renewcommand*{thefootnote}{\@fnsymbol\c@footnote}%
6701 \if@compatibility\setcounter{page}{0}\fi
6702 \null\vfil
6703 \vskip 60\p@
6704 \begin{center}%
6705 \TitleFont
6706 {\LARGE \def\\{\penalty -\@M}

```



```

6707     \if@allcaps
6708         \expandafter\uc@nothanks\@title\thanks\relax
6709     \else
6710         \@title
6711     \fi\par}%
6712 \vskip 3em%
6713 {\large
6714     \lineskip .75em \parindent\z@
6715     \begin{tabular}[t]{c}%
6716         \if@allcaps
6717             \expandafter\uc@authornothanks\@author\and\relax
6718         \else
6719             \@author
6720         \fi
6721     \end{tabular}\par}%
6722 \vskip 1.5em%
6723 {\large
6724     \if@allcaps
6725         \uppercase\expandafter{\@date}%
6726     \else
6727         \@date
6728     \fi\par}%
6729 \end{center}\par
6730 \@thanks
6731 \vfil\null
6732 \end{titlepage}%
6733 \setcounter{footnote}{0}%
6734 \global\let\thanks\relax
6735 \global\let\maketitle\relax
6736 \global\let\@thanks\@empty
6737 \global\let\@author\@empty
6738 \global\let\@title\@empty
6739 \global\let\@date\@empty
6740 \global\let\title\relax
6741 \global\let\author\relax
6742 \global\let\date\relax
6743 \global\let\and\relax
6744 }

```

### 33 File bookest-xetex-bidi.def

```

6745 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6746 \def\@makechapterhead#1{%
6747     \vspace*{20\p@}
6748     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6749         \ifnum \c@secnumdepth >\m@ne
6750             \if@mainmatter
6751                 {\colorA\huge\scshape \@chapapp\space \thechapter}
6752                 \par\nobreak
6753                 \vskip 10\p@

```



```

6754     \fi
6755     \fi
6756     \interlinepenalty\@M
6757     {\colorB\hrule}
6758     \vskip 15\p@
6759     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6760     {\colorA\Huge \bfseries #1}\par\nobreak
6761     \if@RTL\end{flushleft}\else\end{flushright}\fi
6762     \vskip 5\p@
6763     {\colorB\hrule}
6764     \vskip 30\p@
6765     }}
6766 \def\@makeschapterhead#1{%
6767     \vspace*{20\p@}
6768     {\parindent \z@ \raggedright \normalfont
6769     {\colorB\hrule}
6770     \vskip 15\p@
6771     \begin{center}
6772     {\colorA\Huge \bfseries #1}\par\nobreak
6773     \end{center}
6774     \vskip 5\p@
6775     {\colorB\hrule}
6776     \vskip 30\p@
6777     }}

```

## 34 File book-xetex-bidi.def

```

6778 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6779 \renewenvironment{theindex}
6780     {\if@twocolumn
6781         \@restonecolfalse
6782     \else
6783         \@restonecoltrue
6784     \fi
6785     \columnseprule \z@
6786     \columnsep 35\p@
6787     \twocolumn[\@makeschapterhead{\indexname}]{%
6788     \@mkboth{\MakeUppercase\indexname}%
6789         {\MakeUppercase\indexname}%
6790     \thispagestyle{plain}\parindent\z@
6791     \parskip\z@ \@plus .3\p@\relax
6792     \let\item\@idxitem}
6793     {\if@restonecol\onecolumn\else\clearpage\fi}
6794 \@ifclassloaded{bookest}{\}{%
6795     \if@titlepage
6796     \renewcommand\maketitle{\begin{titlepage}%
6797     \let\footnotesize\small
6798     \let\right@footnoterule\relax
6799     \let\left@footnoterule\relax
6800     \let\textwidth\footnoterule\relax

```



```

6801 \let \footnote \thanks
6802 \let \LTRfootnote \LTRthanks
6803 \let \RTLfootnote \RTLthanks
6804 \null\vfil
6805 \vskip 60\p@
6806 \begin{center}%
6807   {\LARGE \@title \par}%
6808   \vskip 3em%
6809   {\large
6810     \lineskip .75em%
6811     \begin{tabular}[t]{c}%
6812       \@author
6813       \end{tabular}\par}%
6814     \vskip 1.5em%
6815     {\large \@date \par}%           % Set date in \large size.
6816 \end{center}\par
6817 \@thanks
6818 \vfil\null
6819 \end{titlepage}%
6820 \setcounter{footnote}{0}%
6821 \global\let\thanks\relax
6822 \global\let\LTRthanks\relax
6823 \global\let\RTLthanks\relax
6824 \global\let\maketitle\relax
6825 \global\let\@thanks\@empty
6826 \global\let\@author\@empty
6827 \global\let\@date\@empty
6828 \global\let\@title\@empty
6829 \global\let\title\relax
6830 \global\let\author\relax
6831 \global\let\date\relax
6832 \global\let\and\relax
6833 }
6834 \else
6835 \renewcommand\maketitle{\par
6836   \begin{group}
6837     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6838     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6839     \long\def\@makefntext##1{\parindent 1em\noindent
6840       \hb@xt@1.8em{%
6841         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6842     \if@twocolumn
6843       \ifnum \col@number=\@ne
6844         \@maketitle
6845       \else
6846         \twocolumn[\@maketitle]%
6847       \fi
6848     \else
6849       \newpage
6850       \global\@topnum\z@ % Prevents figures from going at top of page.

```



```

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

```





```

6901         \nobreak
6902         \global\@nobreaktrue
6903         \everypar{\global\@nobreakfalse\everypar{}}%
6904     \endgroup
6905 \fi}
6906 \renewcommand*\l@chapter[2]{%
6907     \ifnum \c@tocdepth >\m@ne
6908         \addpenalty{-\@highpenalty}%
6909         \vskip 1.0em \@plus\p@
6910         \setlength\@tempdima{1.5em}%
6911         \begingroup
6912             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6913             \parfillskip -\@pnumwidth
6914             \leavevmode \bfseries
6915             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6916             \hskip -\if@RTL\rightskip\else\leftskip\fi
6917             #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
6918             \penalty\@highpenalty
6919         \endgroup
6920 \fi}
6921 \renewcommand\left@footnoterule{%
6922     \kern-3\p@
6923     \hrule\@width.4\columnwidth
6924     \kern2.6\p@}
6925 \renewcommand\right@footnoterule{%
6926     \kern-3\p@
6927     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6928     \kern2.6\p@}
6929 \renewcommand\theequation
6930     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6931 \renewcommand \thefigure
6932     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6933 \renewcommand \thetable
6934     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6935 \renewcommand \thechapter {\@arabic\c@chapter}
6936 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6937 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6938 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6939 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6940 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6941 \def\@makechapterhead#1{%
6942     \vspace*{50\p@}%
6943     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6944         \ifnum \c@secnumdepth >\m@ne
6945             \if@mainmatter
6946                 \huge\bfseries \@chapapp\space \thechapter
6947                 \par\nobreak
6948                 \vskip 20\p@
6949             \fi
6950         \fi

```



```

6951 \interlinepenalty\@M
6952 \Huge \bfseries #1\par\nobreak
6953 \vskip 40\p@
6954 }}
6955 \def\@makeschapterhead#1{%
6956 \vspace*{50\p@}%
6957 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6958 \normalfont
6959 \interlinepenalty\@M
6960 \Huge \bfseries #1\par\nobreak
6961 \vskip 40\p@
6962 }}
6963 \renewcommand\backmatter{%
6964 \if@openright
6965 \cleardoublepage
6966 \else
6967 \clearpage
6968 \fi
6969 \@mainmatterfalse}
6970 \renewenvironment{thebibliography}[1]
6971 {\chapter*{\bibname}%
6972 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6973 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6974 \bidi@thebibliography@font@hook%
6975 \list{\@biblabel{\@arabic{c@enumiv}}}%
6976 {\settowidth\labelwidth{\@biblabel{#1}}%
6977 \leftmargin\labelwidth
6978 \advance\leftmargin\labelsep
6979 \@openbib@code
6980 \usecounter{enumiv}%
6981 \let\p@enumiv\@empty
6982 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
6983 \sloppy
6984 \clubpenalty4000
6985 \@clubpenalty \clubpenalty
6986 \widowpenalty4000%
6987 \sfcode`\.\@m}
6988 {\def\@noitemerr
6989 {\@latex@warning{Empty `thebibliography' environment}}}%
6990 \endlist}

```

## 35 File breqn-xetex-bidi.def

```

6991 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for XeLaTeX]
6992 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6993 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6994 \if@noskipsec \leavevmode \fi
6995 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6996 \if\eq@group\else\eq@prelim\fi
6997 \setkeys{breqn}{#1}%

```



```

6998 \the\eqstyle
6999 \eq@setnumber
7000 \begingroup
7001 \eq@setup@a
7002 \eq@startup
7003 }
7004 \def\@dgroup[#1]{\ifRTL\@RTLfalse\fi%
7005 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
7006 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
7007 \global\let\GRP@label\@empty
7008 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
7009 \global\grp@linewidth\z@\global\grp@wdNum\z@
7010 \global\let\grp@eqs@numbered\@False
7011 \global\let\grp@aligned\@True
7012 \global\let\grp@shiftnumber\@False
7013 \eq@prelim
7014 \setkeys{breqn}{#1}%
7015 \if\grp@hasNumber \grp@setnumber \fi
7016 }
7017 \def\@dseries[#1]{\ifRTL\@RTLfalse\fi%
7018 \let\display@setup\dseries@display@setup
7019 % Question: should this be the default for dseries???
7020 \global\eq@wdCond\z@
7021 \@dmath[layout={M},#1]%
7022 \mathsurround\z@\@math \penalty\@Mi
7023 \let\endmath\ends@math
7024 \def\premath{%
7025 \ifdim\lastskip<.3em \unskip
7026 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
7027 }%
7028 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
7029 \ignorespaces
7030 }
7031 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
7032 \renewenvironment{dsuspend}{%
7033 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
7034 \parshape 1 \displayindent \displaywidth\relax
7035 \hsize=\columnwidth \noindent\ignorespaces
7036 }{%
7037 \par\egroup
7038 \global\setbox\GRP@box\vbox{%
7039 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
7040 \unvbox\GRP@box
7041 }%
7042 \global\GRP@queue\@xp{\the\GRP@queue
7043 \elt{\let\eq@isIntertext\@True}%
7044 }%
7045 }

```



## 36 File cals-xetex-bidi.def

```
7046 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
7047 \renewcommand\cals@setup@alignment[1]{%
7048 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
7049 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
7050 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
7051 }
7052 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
7053 \renewenvironment{calstable}[1][\cals@table@alignment]{%
7054 \if@RTLtab\cals@activate@rtl\fi
7055 \let\cals@thead@tokens=\relax
7056 \let\cals@tfoot@tokens=\relax
7057 \let\cals@tbreak@tokens=\relax
7058 \cals@tfoot@height=0pt \relax
7059 \let\cals@last@context=n%
7060 \let\cals@current@context=b%
7061 \parindent=0pt \relax%
7062 \cals@setup@alignment{#1}%
7063 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
7064 %% Alignment inside is independent on center/flushright outside
7065 \parfillskip=0pt plus1fil\relax
7066 \let\cals@borderL=\relax
7067 \let\cals@borderR=\relax
7068 \let\cals@borderT=\relax
7069 \let\cals@borderB=\relax
7070 \setbox\cals@backup@row=\box\voidb@x\relax
7071 \cals@AtBeginTable
7072 }{% End of the table
7073 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
7074 \renewcommand\alignL{%
7075 \if@RTLtab
7076 \cals@vfillAdd\cals@paddingL
7077 \else
7078 \cals@vfillDrop\cals@paddingL
7079 \fi
7080 \cals@vfillDrop\cals@paddingR}
7081 \renewcommand\alignR{%
7082 \if@RTLtab
7083 \cals@vfillDrop\cals@paddingL
7084 \else
7085 \cals@vfillAdd\cals@paddingL
7086 \fi
7087 \cals@vfillDrop\cals@paddingR}
```

## 37 File caption-xetex-bidi.def

```
7088 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for XeTeX]
7089 \let\@makecaption\caption@makecaption
```



## 38 File caption3-xetex-bidi.def

```
7090 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package]
7091 \renewcommand*\caption@par{%
7092   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%
```

## 39 File colortbl-xetex-bidi.def

```
7093 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
7094 \def\CT@setup{%
7095   \@tempdimb\col@sep
7096   \@tempdimc\col@sep
7097   \def\CT@color{%
7098     \global\let\CT@do@color\CT@@do@color
7099     \bidicolor}}
7100 \def\@classz{\@classx
7101   \@tempcnta\count@
7102   \prepnext@tok
7103   \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
7104   \@addtopreamble{\if@RTLtab\beginL\fi%
7105     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
7106     \ifcase \@chnum
7107       \hskip\stretch{.5}\kern\z@
7108       \d@llarbegin
7109       \insert@column
7110       \d@llarend\hskip\stretch{.5}\or
7111       \d@llarbegin \insert@column \d@llarend \hfill \or
7112       \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
7113     }\vcenter
7114     \@startpbox{\@nextchar}\insert@column \@endpbox $\or
7115     \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
7116     \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
7117   \fi
7118   \if@RTLtab\endR\fi\egroup\egroup
7119 \begingroup
7120   \CT@setup
7121   \CT@column@color
7122   \CT@row@color
7123   \CT@cell@color
7124   \CT@do@color
7125 \endgroup
7126   \@tempdima\ht\z@
7127   \advance\@tempdima\minrowclearance
7128   \vrule\@height\@tempdima\@width\z@
7129   \unhbox\z@\if@RTLtab\endL\fi}%
7130 \prepnext@tok}
```

## 40 File color-xetex-bidi.def

```
7131 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeLaTeX]
```



```

7132 \long\def\color@b@x#1#2#3{%
7133   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
7134   \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
7135   \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
7136   \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
7137   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
7138     \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
7139 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
7140 \DeclareRobustCommand\color{%
7141   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}%
7142   \def\@declaredcolor#1{%
7143     \ifundefined{string\color @#1}%
7144       {\c@lor@error{`#1'}}%
7145       {\expandafter\let\expandafter\current@color
7146         \csname string\color @#1\endcsname
7147         \set@color}%
7148     \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7149 \def\@undeclaredcolor[#1]#2{%
7150   \ifundefined{color@#1}%
7151     {\c@lor@error{model `#1'}}%
7152     {\csname color@#1\endcsname\current@color{#2}%
7153       \set@color}%
7154   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7155 \DeclareRobustCommand\bidicolor{%
7156   \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
7157   \def\@bidiundeclaredcolor[#1]#2{%
7158     \ifundefined{color@#1}%
7159       {\c@lor@error{model `#1'}}%
7160       {\csname color@#1\endcsname\current@color{#2}%
7161         \set@color}%
7162     \ignorespaces}
7163   \def\@bidideclaredcolor#1{%
7164     \ifundefined{string\color @#1}%
7165       {\c@lor@error{`#1'}}%
7166       {\expandafter\let\expandafter\current@color
7167         \csname string\color @#1\endcsname
7168         \set@color}%
7169     \ignorespaces}
7170 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
7171 \def\color@fbbox#1#2#3{%
7172   \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
7173 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 41 File combine-xetex-bidi.def

```

7174 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for ]
7175 \renewcommand{\c@ll@chapsecii}[2]{%
7176   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7177   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7178   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```



```

7179 }
7180 \renewcommand{\c@ll@chapseci}{%
7181   \setlength\@tempdima{0em}%
7182   \begin{group}
7183     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7184     \parfillskip -\@pnumwidth
7185     \leavevmode
7186   }
7187 \renewenvironment{tocindent}[1]{%
7188   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

## 42 File crop-xetex-bidi.def

```

7189 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
7190 \renewcommand*\CROP@ulc{%
7191   \if@RTLmain%
7192     \begin{picture}(0,0)
7193       \unitlength\p@\thinlines
7194       \put(-40,0){\circle{10}}
7195       \put(-30,-5){\line(0,1){10}}
7196       \put(-35,0){\line(1,0){30}}
7197       \put(-10,30){\circle{10}}
7198       \put(-5,30){\line(1,0){10}}
7199       \put(0,35){\line(0,-1){30}}
7200     \end{picture}%
7201   \else%
7202     \begin{picture}(0,0)
7203       \unitlength\p@\thinlines
7204       \put(-30,0){\circle{10}}
7205       \put(-30,-5){\line(0,1){10}}
7206       \put(-35,0){\line(1,0){30}}
7207       \put(0,30){\circle{10}}
7208       \put(-5,30){\line(1,0){10}}
7209       \put(0,35){\line(0,-1){30}}
7210     \end{picture}%
7211   \fi%
7212 }
7213 \renewcommand*\CROP@urc{%
7214   \if@RTLmain%
7215     \begin{picture}(0,0)
7216       \unitlength\p@\thinlines
7217       \put(20,0){\circle{10}}
7218       \put(30,-5){\line(0,1){10}}
7219       \put(35,0){\line(-1,0){30}}
7220       \put(-10,30){\circle{10}}
7221       \put(-5,30){\line(1,0){10}}
7222       \put(0,35){\line(0,-1){30}}
7223     \end{picture}%
7224   \else%
7225     \begin{picture}(0,0)

```



```

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

```





```

7276      \put(0,-30){\circle{10}}
7277      \put(-5,-30){\line(1,0){10}}
7278      \put(0,-35){\line(0,1){30}}
7279      \end{picture}%
7280      \fi%
7281    }
7282    \ifpackagewith{crop}{cam}{%
7283      \CROP@exectopt{cam}%
7284    }{}

```

### 43 File cutwin-xetex-bidi.def

```

7285 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for X
7286 \renewcommand*{\c@twcompctr}[2]{%
7287   \def\c@twfirst{1}
7288   \loop\advance\c@twwinlines\m@ne
7289   \setbox\c@twslicea=\vsplit#1 to\baselineskip
7290   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7291   \c@twprune{\c@twslicea}{\c@twlftside}%
7292   \c@twprune{\c@twsliceb}{\c@twrtside}%
7293   \ifnum\c@twfirst=\@ne
7294     \setbox#2=\vbox{\unvbox#2\hbox
7295       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
7296     \else
7297       \setbox#2=\vbox{\unvbox#2\hbox
7298       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
7299     \fi
7300   \def\c@twfirst{2}
7301   \ifnum\c@twwinlines>\z@\repeat}
7302 \renewcommand*{\c@twcompoddctr}[2]{%
7303   \def\c@twrounds{1}
7304   \def\c@twfirst{1}
7305   \@for\c@twlspec:=\c@twb\do{%
7306     \ifnum\c@twrounds=1
7307       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7308       \c@twprune{\c@twslicea}{\c@twlspec}%
7309       \def\c@twrounds{2}
7310     \else
7311       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7312       \c@twprune{\c@twsliceb}{\c@twlspec}%
7313       \ifnum\c@twfirst=1
7314         \setbox#2=\vbox{\unvbox#2\hbox
7315         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
7316         \def\c@twfirst{2}
7317       \else
7318         \setbox#2=\vbox{\unvbox#2\hbox
7319         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else
7320       \fi
7321     \def\c@twrounds{1}
7322   \fi}}

```



## 44 File cuted-xetex-bidi.def

```

7323 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for XeLaTeX]
7324
7325 \def\RTL@outputdblcol{%
7326   \if@firstcolumn
7327     \global\@firstcolumnfalse
7328     \global\setbox\@leftcolumn\copy\@outputbox
7329     \splitmaxdepth\maxdimen
7330     \vbadness\maxdimen
7331     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7332     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7333     \toks@{\expandafter{\topmark}}%
7334     \xdef\@firstcoltopmark{\the\toks@}%
7335     \toks@{\expandafter{\splitfirstmark}}%
7336     \xdef\@firstcolfirstmark{\the\toks@}%
7337     \ifx\@firstcolfirstmark\@empty
7338       \global\let\@setmarks\relax
7339     \else
7340       \gdef\@setmarks{%
7341         \let\firstmark\@firstcolfirstmark
7342         \let\topmark\@firstcoltopmark}%
7343     \fi
7344   \else
7345     \global\@firstcolumntrue
7346     \setbox\@outputbox\vbox{%
7347       \hb@xt@\textwidth{%
7348         \hskip \columnwidth
7349         \hfil
7350         {\normalcolor\vrule \@width\columnseprule}%
7351         \hfil
7352         \hb@xt@\columnwidth{%
7353           \bidi@firstcolumn@status@write%
7354           \box\@leftcolumn \hss}%
7355         \hskip -\textwidth
7356         \hb@xt@\columnwidth{%
7357           \bidi@lastcolumn@status@write%
7358           \box\@outputbox \hss}%
7359         \hskip \columnsep
7360         \hskip \columnwidth }}%
7361     \ifvoid\hold@viper
7362     \else
7363       \setbox\@outputbox \vbox to\textheight{%
7364         \box\hold@viper
7365         \box\@outputbox
7366         \vss
7367       }%
7368     \fi
7369   \@combinedblfloats
7370   \@setmarks

```



```

7371 \@outputpage
7372 \beginingroup
7373   \@dblfloatplacement
7374   \@startdblcolumn
7375   \@whiles\if@fcolmade \fi{\@outputpage
7376   \@startdblcolumn}%
7377   \ifvoid\@viper
7378   \else
7379     \global\setbox\@viper\vbox{%
7380       \vskip-\stripsep
7381       \unvbox\@viper
7382     }%
7383     \@viperoutput
7384   \fi
7385 \endgroup
7386 \fi}%
7387
7388 \def\LTR@outputdblcol{%
7389   \if@firstcolumn
7390     \global\@firstcolumnfalse
7391     \global\setbox\@leftcolumn\copy\@outputbox
7392     \splitmaxdepth\maxdimen
7393     \vbadness\maxdimen
7394     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7395     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7396     \toks@{\expandafter{\topmark}}%
7397     \xdef\@firstcoltopmark{\the\toks@}%
7398     \toks@{\expandafter{\splitfirstmark}}%
7399     \xdef\@firstcolfirstmark{\the\toks@}%
7400     \ifx\@firstcolfirstmark\@empty
7401       \global\let\@setmarks\relax
7402     \else
7403       \gdef\@setmarks{%
7404         \let\firstmark\@firstcolfirstmark
7405         \let\topmark\@firstcoltopmark}%
7406     \fi
7407   \else
7408     \global\@firstcolumntrue
7409     \setbox\@outputbox\vbox{%
7410       \hb@xt@\textwidth{%
7411         \hb@xt@\columnwidth{%
7412           \bidi@firstcolumn@status@write%
7413           \box\@leftcolumn \hss}%
7414         \hfil
7415         {\normalcolor\vrule \@width\columnseprule}%
7416         \hfil
7417         \hb@xt@\columnwidth{%
7418           \bidi@lastcolumn@status@write%
7419           \box\@outputbox \hss}}}%
7420   \ifvoid\hold@viper

```



```

7421 \else
7422 \setbox\@outputbox \vbox to\textheight{%
7423 \box\hold@viper
7424 \box\@outputbox
7425 \vss
7426 }%
7427 \fi
7428 \@combinedblfloats
7429 \@setmarks
7430 \@outputpage
7431 \beginngroup
7432 \@dblfloatplacement
7433 \@startdblcolumn
7434 \@whiles\if@fcolmade \fi{\@outputpage
7435 \@startdblcolumn}%
7436 \ifvoid\@viper
7437 \else
7438 \global\setbox\@viper\vbox{%
7439 \vskip-\stripsep
7440 \unvbox\@viper
7441 }%
7442 \@viperoutput
7443 \fi
7444 \endgroup
7445 \fi}%
7446
7447
7448 \def \@addviper {%
7449 \if@firstcolumn
7450 \@insertfalse
7451 \@reqcolroom .5\@pageht
7452 \ht@viper\@reqcolroom
7453 \advance \@reqcolroom \ht@viper
7454 \advance \@reqcolroom \stripsep
7455 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7456 %%
7457 \@tempdimb \ht@viper
7458 \loop
7459 \setbox\v@aaa\copy\@holdpg
7460 \setbox\v@ccc\vbox to\@tempdimb{%
7461 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7462 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7463 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7464 \loop
7465 \setbox\v@aaa\copy\@holdpg
7466 \setbox\v@ccc\vbox to\@tempdimb{%
7467 \vsplit\v@aaa to\@tempdimb\vss}%
7468 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7469 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7470 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%

```



```

7471 \setbox\v@ccc\vbox to\@tempdimb{%
7472 \vsplit\@holdpg to\@tempdimb\vss}%
7473 %%
7474 \setbox\@tempboxa \vbox {%
7475 \hb@xt@\textwidth {%
7476 \if@RTLmain%
7477 \hskip \columnwidth
7478 \hfil \vrule width\columnseprule \hfil
7479 \hb@xt@\columnwidth {%
7480 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7481 \hskip -\textwidth
7482 \hb@xt@\columnwidth {%
7483 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7484 \hskip \columnsep
7485 \hskip \columnwidth
7486 \else%
7487 \hb@xt@\columnwidth {%
7488 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7489 \hfil
7490 \vrule \@width\columnseprule
7491 \hfil
7492 \hb@xt@\columnwidth {%
7493 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7494 \fi}%
7495 }%
7496 \ifvoid\hold@viper
7497 \global\setbox\hold@viper \vbox {%
7498 \unvbox\@tempboxa
7499 \penalty\interlinepenalty
7500 \vskip\stripsep
7501 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7502 \outputpenalty \z@
7503 }%
7504 \else
7505 \global\setbox\hold@viper \vbox {%
7506 \unvbox\hold@viper
7507 \unvbox\@tempboxa
7508 \penalty\interlinepenalty
7509 \vskip\stripsep
7510 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7511 \outputpenalty \z@
7512 }%
7513 \fi
7514 \ifdim \@colroom>\@reqcolroom
7515 \global\setbox\hold@viper \vbox {%
7516 \unvbox\hold@viper
7517 \box\@viper
7518 \penalty\interlinepenalty
7519 \vskip\stripsep
7520 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi

```



```

7521         \outputpenalty \z@
7522         }%
7523     \@inserttrue
7524     \advance\@tempdima by-\ht\hold@viper
7525     \global \advance \@colht \@tempdima
7526     \ifdim \@colht<2.5\baselineskip
7527         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7528             too tall on page \thepage (1 stulpelis)}}%
7529         \@emptycol
7530         \if@firstcolumn
7531         \else
7532             \@emptycol
7533         \fi
7534         \global\@lastvipertrue
7535     \else
7536         \global \vsize \@colht
7537         \global \@colroom \@colht
7538         \check@floats
7539         \ifdim\@tempdima>\z@
7540             \global\advance\@colroom by-\@tempdima
7541         \fi
7542         \ifdim\@colroom<\z@
7543             \global\@colroom 1pt
7544             \ifdim\@tempdima>\@colht
7545                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7546                     netelpa lape \thepage (1 stulpelis)}}%
7547             \fi
7548             \@emptycol
7549             \if@firstcolumn
7550             \else
7551                 \@emptycol
7552             \fi
7553             \global\@lastvipertrue
7554         \fi
7555     \fi
7556 \fi
7557 \else
7558     \@insertfalse
7559     \@reqcolroom\@colht
7560     \advance\@reqcolroom \@pageht
7561     \ht@viper.5\@reqcolroom
7562     \@reqcolroom\ht@viper
7563     \advance \@reqcolroom \ht\@viper
7564     \advance \@reqcolroom \stripsep
7565     \if@flushend@auto@baselineskip
7566         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7567             \global\lastskip@d\lastskip
7568             \global\lastskip@b\lastskip
7569         \loop
7570             \global\lastskip@a\lastskip@b

```



```

7571         \unskip\unpenalty
7572         \global\lastskip@b\lastskip
7573         \global\advance\lastskip@d by\lastskip
7574         \ifdim\lastskip@b=-\lastskip@a
7575         \global\advance\lastskip@d by-\lastskip
7576         \else
7577         \repeat
7578         \ifdim\lastskip@b=-\lastskip@a
7579         \ifdim\lastskip@b=\z@
7580         \setbox\lastbox@a\lastbox
7581         \global\advance\lastskip@d by\ht\lastbox@a
7582         \global\advance\lastskip@d by\lastskip
7583         \unskip\unpenalty
7584         \setbox\lastbox@a\lastbox
7585         \global\advance\lastskip@d by\dp\lastbox@a
7586         \else
7587         \global\lastskip@d\lastskip
7588         \global\advance\lastskip@d by\topskip
7589         \fi
7590         \fi
7591         \global\advance\lastskip@d by-\topskip
7592         }%
7593     \ifdim\ht\@holdpg>\@colht
7594         \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7595         \par\eject
7596         \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7597         }%
7598     \else
7599         \global\setbox\@holdpg\vbox{%
7600         \unvbox\@leftcolumn\unskip\unpenalty
7601         \vskip\lastskip@d
7602         \the\At@ViperColsBreak
7603         \unvbox\@holdpg
7604         \unskip
7605         }%
7606     \fi
7607 \else
7608     \global\setbox\@holdpg\vbox{%
7609     \unvbox\@leftcolumn
7610     \setbox\@tempboxa\lastbox
7611     \on@stripcols@break
7612     \the\At@ViperColsBreak
7613     \unvbox\@holdpg
7614     }%
7615 \fi
7616 \global\At@ViperColsBreak{}%
7617 \ht@viper .5\ht\@holdpg
7618 \ifdim \ht@viper>\@colht
7619     \ht@viper \@colht
7620 \fi

```



```

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

```





```

7671 \global\setbox\hold@viper \vbox {%
7672 \unvbox\@tempboxa
7673 \penalty\interlinepenalty
7674 \vskip\stripsep
7675 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7676 \outputpenalty \z@
7677 }%
7678 \else
7679 \global\setbox\hold@viper \vbox {%
7680 \unvbox\hold@viper
7681 \unvbox\@tempboxa
7682 \penalty\interlinepenalty
7683 \vskip\stripsep
7684 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7685 \outputpenalty \z@
7686 }%
7687 \fi
7688 \ifdim \@colht>\@reqcolroom
7689 \global\setbox\hold@viper \vbox {%
7690 \unvbox\hold@viper
7691 \box\@viper
7692 \penalty\interlinepenalty
7693 \vskip\stripsep
7694 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7695 \outputpenalty \z@
7696 }%
7697 \@inserttrue
7698 \global\@firstcolumntrue
7699 \advance\@tempdima by-\ht\hold@viper
7700 \global \advance \@colht \@tempdima
7701 \ifdim \@colht<2.5\baselineskip
7702 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7703 too tall on page \thepage (2 stulpelis)}%
7704 \@emptycol
7705 \if@firstcolumn
7706 \else
7707 \@emptycol
7708 \fi
7709 \global\@lastvipertrue
7710 \else
7711 \global \vsize \@colht
7712 \global \@colroom \@colht
7713 \check@floats
7714 \ifdim\@tempdima>\z@
7715 \global\advance\@colroom by-\@tempdima
7716 \fi
7717 \ifdim\@colroom<\z@
7718 \global\@colroom 1pt
7719 \ifdim\@tempdima>\@colht
7720 \latex@warning@no@line {TOP ir/ar BOT FLOAT's

```



```

7721                                netelpe lape \thepage (2 stulpelis)}}%
7722                                \fi
7723                                \@emptycol
7724                                \if@firstcolumn
7725                                \else
7726                                    \@emptycol
7727                                \fi
7728                                \global\@lastvipertrue
7729                            \fi
7730                        \fi
7731                    \fi
7732                \fi
7733                \if@insert
7734                \else
7735                    \advance\@tempdima by-\ht\hold@viper
7736                    \global \advance \@colht \@tempdima
7737                    \global\setbox\hold@viper \vbox {%
7738                                            \unvbox\hold@viper
7739                                            \csname viper@top@hook\endcsname
7740                                            \vsplit\@viper to \@colht
7741                                            \vss
7742                                            }%
7743                    \vbox{}}%
7744                    \global\@firstcolumnfalse
7745                    \newpage
7746                \fi
7747            }

```

## 45 File cvthemebidicasual.sty

```

7748 \NeedsTeXFormat{LaTeX2e}
7749 \ProvidesPackage{cvthemebidicasual}
7750 \DeclareOption{blue}{}
7751 \newif\if@colourorange\@colourorangefalse
7752 \DeclareOption{orange}{\@colourorange true}
7753 \newif\if@colourgreen\@colourgreenfalse
7754 \DeclareOption{green}{\@colourgreentrue}
7755 \newif\if@colourred\@colourredfalse
7756 \DeclareOption{red}{\@colourred true}
7757 \newif\if@colourgrey\@colourgreyfalse
7758 \DeclareOption{grey}{\@colourgrey true}
7759 \DeclareOption*{
7760     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7761 \ExecuteOptions{colour}
7762 \ProcessOptions\relax
7763 \renewcommand*{\listitemsymbol}{\textbullet}
7764 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7765 \familynamecolour{808080}
7766 \firstnamecolour{A9A9A9}
7767 \quotecolour{696969}

```



```

7768 \addresscolour{696969}
7769 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7770 \sectiontitlecolour{1E90FF}
7771 \subsectioncolour{4682B4}
7772 \definecolor{rulecolour}{gray}{0.6}
7773 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7774 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7775 \if@colourorange
7776 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7777 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7778 \sectiontitlecolour{FF8C00}
7779 \subsectioncolour{FF8C00}
7780 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7781 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7782 \if@colourgreen
7783 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7784 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7785 \sectiontitlecolour{008000}
7786 \subsectioncolour{008000}
7787 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7788 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7789 \if@coloured
7790 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7791 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7792 \sectiontitlecolour{FF0000}
7793 \subsectioncolour{FF0000}
7794 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7795 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7796 \if@colourgrey
7797 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7798 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7799 \sectiontitlecolour{808080}
7800 \subsectioncolour{808080}
7801 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7802 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7803 \renewcommand*{\ttdefault}{pcr}
7804 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7805 \renewcommand*{\familynamefont}{\firstnamefont}
7806 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7807 \renewcommand*{\quote font}{\large\slshape}
7808 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7809 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7810 \renewcommand*{\maketitle}{%
7811   {%
7812     \ifthenelse{\isundefined{\@photo}}{%
7813       {%
7814         {\color{firstnamedcolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
7815         \hfill%
7816         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7817         {\color{firstnamedcolor}\rule{\textwidth}{.25ex}\[2.5em]}%

```



```

7818 \ifthenelse{\isundefined{\@quote}}{%
7819   {%
7820     \centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[/
7821   }%
7822 \newif\if@firstfooterelement\@firstfooterelementtrue
7823 \providecommand*\footersymbol{}
7824 \renewcommand*\footersymbol{%
7825   \if@firstfooterelement%
7826   \else%
7827     { ~\color{footersymbolcolor}\textbullet~~}\fi}
7828 \providecommand*\makefooter{}
7829 \renewcommand*\makefooter{%
7830   \fancypagestyle{plain}{%
7831     \fancyfoot[c]{%
7832       \parbox{0.8\textwidth}{%
7833         \centering%
7834         \addressfont\@addresscolour%
7835         \ifthenelse{\isundefined{\@address}}{}{%
7836           \addresssymbol~\@address\%
7837           \@firstfooterelementfalse}%
7838         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7839         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7840         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7841         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}%
7842         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7843       }%
7844     \pagestyle{plain}}
7845 \AtBeginDocument{\makefooter}

```

## 46 File cvthemebidiclassic.sty

```

7846 \NeedsTeXFormat{LaTeX2e}
7847 \ProvidesPackage{cvthemebidiclassic}
7848 \DeclareOption{blue}{}
7849 \newif\if@colourorange\@colourorangefalse
7850 \DeclareOption{orange}{\@colourorange>true}
7851 \newif\if@colourgreen\@colourgreenfalse
7852 \DeclareOption{green}{\@colourgreentrue}
7853 \newif\if@colourred\@colourredfalse
7854 \DeclareOption{red}{\@colourred>true}
7855 \newif\if@colourgrey\@colourgreyfalse
7856 \DeclareOption{grey}{\@colourgrey>true}
7857 \DeclareOption*{
7858   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7859 \ExecuteOptions{colour}
7860 \ProcessOptions\relax
7861 \renewcommand*\listitemsymbol{\textbullet}
7862 \firstnamecolour{}
7863 \familynamecolour{}
7864 \titlecolour{808080}

```



```

7865 \quotecolour{696969}
7866 \addresscolour{696969}
7867 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7868 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7869 \sectiontitlecolour{1E90FF}
7870 \subsectioncolour{4682B4}
7871 \if@colourorange
7872   \addresscolour{FF8C00}
7873   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7874   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7875   \sectiontitlecolour{FF8C00}
7876   \subsectioncolour{FF8C00}\fi
7877 \if@colourgreen
7878   \addresscolour{008000}
7879   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7880   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7881   \sectiontitlecolour{008000}
7882   \subsectioncolour{008000}\fi
7883 \if@coloured
7884   \addresscolour{FF0000}
7885   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7886   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7887   \sectiontitlecolour{FF0000}
7888   \subsectioncolour{FF0000}\fi
7889 \if@colourgrey
7890   \addresscolour{808080}
7891   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7892   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7893   \sectiontitlecolour{808080}
7894   \subsectioncolour{808080}\fi
7895 \renewcommand*{\ttdefault}{pcr}
7896 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7897 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7898 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7899 \renewcommand*{\familynamefont}{\firstnamefont}
7900 \renewcommand*{\quoteont}{\large\slshape}
7901 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7902 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7903 \newlength{\maketitlemaxwidth}
7904 \setlength{\maketitlemaxwidth}{.525\textwidth}
7905 \newlength{\maketitlefullwidth}
7906 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7907 \newlength{\maketitlewidth}
7908 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}\fi
7909 \newlength{\maketitlepicturewidth}
7910 \setlength{\maketitlepicturewidth}{\@photowidth}
7911 \newlength{\maketitledetailwidth}
7912 \renewcommand*{\recomputethemelengths}{%
7913   \setlength{\maketitledetailwidth}{\textwidth}%
7914   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%

```



```

7915 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7916 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}}
7917 \recomputethemelengths
7918 \newif\if@firstdetailselement\@firstdetailselementtrue
7919 \newcommand*{\maketitledetailsnewline}{
7920   \if@firstdetailselement%
7921     \@firstdetailselementfalse%
7922   \else%
7923     \[.2em]\fi}
7924 \renewcommand*{\maketitle}{%
7925   % name and title
7926   \begin{minipage}[b]{\maketitlelinewidth}%
7927     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7928     \ifthenelse{equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
7929   \end{minipage}%
7930   % optional data
7931   \begin{minipage}[b]{\maketitledetailswidth}%
7932     \bidi@raggedleft\addressfont\@addresscolour%
7933     \ifthenelse{isundefined{\@address}}{\[%
7934       \maketitledetailsnewline%
7935       \addresssymbol~\@address}%
7936     \ifthenelse{isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7937     \ifthenelse{isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
7938     \ifthenelse{isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
7939     \ifthenelse{isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emaillink{\@email}}%
7940     \ifthenelse{isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
7941   \end{minipage}%
7942   % optional photo
7943   \ifthenelse{isundefined{\@photo}}{\[%
7944     \}%
7945     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlephotoheight]{\@photo}}}%
7946   % optional quote
7947   \ifthenelse{isundefined{\@quote}}{\[%
7948     \}%
7949     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[%
7950   ]}

```

## 47 File dblfnote-xetex-bidi.def

```

7951 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7952 \let\autofooterule\relax
7953 \let\rightfootnoterule\relax
7954 \let\leftfootnoterule\relax
7955 \let\textwidthfootnoterule\relax
7956 \let\LRfootnoterule\relax
7957 \def\footnoterule{\kern-3\p@
7958   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7959 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7960 \let\@footnotetext\dfn@footnotetext}
7961 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{

```



```

7962 \let\insert\dfn@gobble
7963 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7964 \def\@makefnmark{\smash{\dfn@makefnmark}}
7965 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7966 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7967 \ifdim\dfn@dima>\z@\else
7968 \dfn@dima\relax
7969 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7970 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7971 \ifvoid\dfn@ins\else
7972 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7973 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7974 \setbox\dfn@boxa\copy\dfn@ins
7975 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7976 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7977 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7978 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7979 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7980 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7981 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7982 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7983 \let\insert\dfn@gobble
7984 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7985 \def\@makefnmark{\smash{\dfn@makefnmark}}
7986 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7987 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7988 \ifdim\dfn@dima>\z@\else
7989 \dfn@dima\relax
7990 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7991 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7992 \ifvoid\dfn@ins\else
7993 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7994 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7995 \setbox\dfn@boxa\copy\dfn@ins
7996 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7997 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7998 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7999 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
8000 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
8001 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
8002 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
8003 \def\dfn@RTLmakecol{{\ifvoid\footins\else
8004 \dfn@dima\ht\footins
8005 \@tempcnta\z@ \dfn@countins
8006 \@tempdima\z@ \let\@elt\dfn@elt@getht
8007 \dfn@list\@nil
8008 \ifdim\@tempdima=\z@\else
8009 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8010 \global\setbox\dfn@ins\box\dfn@ins
8011 \@tempwattrue

```



```

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

```





```

8062 \@tempcnta\z@ \dfn@countins
8063 \@tempdima\z@ \let\@elt\dfn@elt@getht
8064 \dfn@list\@nil
8065 \ifdim\@tempdima=\z@\else
8066 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8067 \global\setbox\dfn@ins\box\dfn@ins
8068 \@tempswatrue
8069 \ifdfn@trysingle
8070 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8071 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8072 \advance\@tempdima-\skip\footins
8073 \advance\@tempdima-\ht\dfn@boxa
8074 \ifdim\@tempdima<\z@\else \@tempswafalse
8075 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8076 \footnoterule \unvbox\dfn@boxa}\fi\fi
8077 \if@tempswa
8078 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8079 \global\setbox\footins\vbox{\hbox{%
8080 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8081 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
8082 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8083 \vbox to\@tempdima{
8084 \setbox\@tempboxa\vbox{\footnoterule}
8085 \ifdfn@ruleboth \unvbox\@tempboxa
8086 \else \@tempdima\ht\@tempboxa
8087 \advance\@tempdima\dp\@tempboxa
8088 \vskip\@tempdima
8089 \prevdepth\dp\@tempboxa \fi
8090 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
8091 \global\dfn@fnht\z@
8092 \ifx\dfn@list\@empty\else
8093 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8094 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8095 \let\@elt\relax
8096 \ifdim\dfn@dimb>\z@
8097 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8098 \insert\footins{\floatingpenalty\@MM
8099 \vbox to\dfn@dimb{}}\fi
8100 \ifdim\dfn@fnht>\@tempdima
8101 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8102 \global\dfn@fnht\@tempdima
8103 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8104 \xdef\dfn@afteroutput{\insert\footins{
8105 \floatingpenalty\@MM
8106 \vbox to\number\@tempdimb sp{}}}%
8107 \global\let\noexpand\dfn@afteroutput\relax}%
8108 \fi\fi
8109 \fi}%
8110 \let\footnoterule\relax \dfn@latex@makecol
8111 \let\footnoterule\dfn@footnoterule}

```



```

8112 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
8113 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
8114 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
8115 \DFNalwaysdouble

```

## 48 File diagbox-xetex-bidi.def

```

8116 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for]
8117 \bidi@patchcmd{\diagbox@double}{%
8118   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8119 }{\bidi@@diagbox@double@ii}{-}{-}
8120 \bidi@patchcmd{\diagbox@double}{%
8121   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
8122 }{\bidi@@diagbox@double@iii}{-}{-}
8123 \newcommand*{\bidi@@diagbox@double@ii}{%
8124   \if@RTL
8125     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
8126   \else
8127     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8128   \fi
8129 }
8130 \newcommand*{\bidi@@diagbox@double@iii}{%
8131   \if@RTL
8132     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8133   \else
8134     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8135   \fi
8136 }
8137 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8138   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8139 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
8140 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8141   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8142 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
8143 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8144   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8145 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
8146 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
8147   \if@RTL
8148     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
8149   \else
8150     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8151   \fi
8152 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
8153   \if@RTL
8154     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8155   \else
8156     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8157   \fi
8158 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW

```



```

8159 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8160     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
8161 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
8162 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8163     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8164 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8165 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8166     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8167 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8168 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
8169     \if@RTL
8170     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
8171     \else
8172     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
8173     \fi
8174 }
8175 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
8176     \if@RTL
8177     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8178     \else
8179     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8180     \fi
8181 }
8182 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
8183 \bidi@patchcmd{\diagbox@double@pict@SE}{%
8184     \diagbox@setlinecolor
8185     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8186 }{%
8187     {\diagbox@setlinecolor
8188     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
8189 }{}{}
8190 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
8191 \bidi@patchcmd{\diagbox@double@pict@NE}{%
8192     \diagbox@setlinecolor
8193     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
8194 }{%
8195     {\diagbox@setlinecolor
8196     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8197 }{}{}
8198 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8199 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8200     \diagbox@setlinecolor
8201     \Line(0,\yym)(\x,0)
8202     \Line(\xm,\y)(\x,0)%
8203 }{%
8204     {\diagbox@setlinecolor
8205     \Line(0,\yym)(\x,0)
8206     \Line(\xm,\y)(\x,0)}%
8207 }{}{}
8208 \bidi@patchcmd{\diagbox@triple@pict@NE}{%

```



```

8209 \diagbox@setlinecolor
8210 \Line(0,0)(\xxm,\y)
8211 \Line(0,0)(\x,\yym)%
8212 }{%
8213 {\diagbox@setlinecolor
8214 \Line(0,0)(\xxm,\y)
8215 \Line(0,0)(\x,\yym)}%
8216 }{}{}
8217 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8218 \diagbox@setlinecolor
8219 \Line(0,\ym)(\x,\y)
8220 \Line(\xm,0)(\x,\y)%
8221 }{%
8222 {\diagbox@setlinecolor
8223 \Line(0,\ym)(\x,\y)
8224 \Line(\xm,0)(\x,\y)}%
8225 }{}{}
8226 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8227 \diagbox@setlinecolor
8228 \Line(0,\y)(\xxm,0)
8229 \Line(0,\y)(\x,\ym)%
8230 }{%
8231 {\diagbox@setlinecolor
8232 \Line(0,\y)(\xxm,0)
8233 \Line(0,\y)(\x,\ym)}%
8234 }{}{}

```

## 49 File draftwatermark-xetex-bidi.def

```

8235 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8236 \renewcommand\SetWatermarkText[1]{%
8237 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

## 50 File eso-pic-xetex-bidi.def

```

8238 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
8239 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8240 \put(\LenToUnit{\if@RTLmain\paperwidth\else\opt\fi},\LenToUnit{-\paperheight}){#1}}}
8241
8242 \ESO@isMEMOIR{%
8243 \renewcommand\AtTextUpperLeft[1]{%
8244 \begingroup
8245 \ifodd\c@page
8246 \@tempdima=\spinemargin
8247 \else
8248 \@tempdima=\paperwidth
8249 \advance\@tempdima-\textwidth
8250 \advance\@tempdima-\spinemargin
8251 \fi
8252 \@tempdimb=-\uppermargin

```



```

8253 \AtPageUpperLeft{%
8254 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8255 }%
8256 \endgroup
8257 }
8258 }{%
8259 \renewcommand\AtTextUpperLeft[1]{%
8260 \begingroup
8261 \@tempdima=1in\relax
8262 \ifodd\c@page
8263 \advance\@tempdima\oddsidemargin
8264 \else
8265 \advance\@tempdima\evensidemargin
8266 \fi
8267 \@tempdimb=-1in\relax
8268 \advance\@tempdimb-\topmargin
8269 \advance\@tempdimb-\headheight
8270 \advance\@tempdimb-\headsep
8271 \AtPageUpperLeft{%
8272 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8273 }%
8274 \endgroup
8275 }
8276 }

```

## 51 File empheq-xetex-bidi.def

```

8277 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for ]
8278 \MHInternalSyntaxOn
8279 \def\EQ_tag_plus_endmark:{%
8280 \iftagsleft@
8281 \gdef\maketag@@@#1{%
8282 \hfuzz\displaywidth
8283 \if@RTL\makebox[\widthof{#1}][r]{%
8284 \hbox to \displaywidth{\m@th\normalfont#1\hss
8285 \raisebox{-\dp\EQ_mathdisplay_box
8286 -\depthof{\EQ_outerbox:}}{
8287 {\PotEndMark{\hss}}}}
8288 \else\makebox[\widthof{#1}][l]{%
8289 \hbox to \displaywidth{\m@th\normalfont#1\hss
8290 \raisebox{-\dp\EQ_mathdisplay_box
8291 -\depthof{\EQ_outerbox:}}{
8292 {\PotEndMark{\hss}}}}\fi}%
8293 \MH_else:
8294 \gdef\maketag@@@#1{%
8295 \hbox{\m@th\normalfont#1\llap{\hss\PotEndMark{%
8296 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
8297 \MH_addtolength:dn \@tempdima
8298 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8299 \setlength{\@tempdimb}

```



```

8300         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox: {}}}
8301         +\depthof{\EQ_innerbox: {}}}
8302     \MH_if_dim:w \@tempdima>\@tempdimb
8303     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8304     -\@tempdima+\g_EQ_bottomrow_depth_dim}
8305     \addtolength{\@tempdima}{\depthof{\EQ_innerbox: {}}}%
8306     \def\EQ_next:{\raisebox{\@tempdima}}%
8307     \MH_else:
8308     \def\EQ_next:{
8309     \raisebox{-\dp\EQ_mathdisplay_box
8310     -\depthof{\EQ_outerbox: {}}}%
8311     \MH_fi:\EQ_next:}}}%
8312 \MH_fi:}
8313 \def\EQ_post_process:{%
8314 \EQ_initialize:
8315 \EQ_begin_equation:
8316 \MH_if_boolean:nT {outer_mult}{
8317 \setkeys{\MT_options_name:}{
8318 firstline-afterskip=0pt,
8319 lastline-preskip=0pt,
8320 multlined-width=0pt,
8321 }
8322 \ifodd \l_EQ_alignmentmode_int
8323 \setkeys{\MT_options_name:}{multlined-pos=b}
8324 \MH_else:
8325 \setkeys{\MT_options_name:}{multlined-pos=t}
8326 \MH_fi:
8327 \g@addto@macro\EQ_complete_mathdisplay:{
8328 \begin{MTmultlined}\relax}
8329 }
8330 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8331 \MH_if_boolean:nT {outer_mult}{
8332 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8333 }
8334 \EQ_end_equation:
8335 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8336 \savecounters@
8337 \EQ_typeset_tags:
8338 \edef\l_EQ_equation_fint{\number\c@equation}
8339 \restorecounters@
8340 \Hy@linkcounter=\EQ_hyperref_link_fint
8341 \settowidth\l_EQ_totalwidth_dim{%
8342 $EQ_left_side:EQ_innerbox: {\}EQ_right_side:$}%
8343 \MH_if_boolean:nTF {outer_mult}
8344 { \def\EQ_next:{_mult} }
8345 { \def\EQ_next:{} }
8346 \@nameuse{EQ_modify_linewidth_
8347 \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8348 \EQ_typeset_display:
8349 \@nameuse{EQ_find_displaywidth_

```



```

8350         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8351     \MH_addtolength:dn
8352     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8353     \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8354     $\EQ_left_side:
8355     \EQ_innerbox:{%
8356     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8357     \makebox[\l_EQ_displaywidth_dim][c]
8358     {\usebox{\EQ_mathdisplay_box}}}%
8359     \MH_or:
8360     \makebox[\l_EQ_displaywidth_dim][c]
8361     {\usebox{\EQ_mathdisplay_box}}}%
8362     \MH_or:
8363     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8364     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8365     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8366     \kern-\@mathmargin
8367     \MH_fi:
8368     \MH_fi:
8369     \usebox{\EQ_mathdisplay_box}}}%
8370     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8371     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8372     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8373     \kern-\@mathmargin
8374     \MH_fi:
8375     \MH_fi:
8376     \usebox{\EQ_mathdisplay_box}}\fi%
8377     \MH_or:
8378     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8379     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8380     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8381     \kern-\@mathmargin
8382     \MH_fi:
8383     \MH_fi:
8384     \usebox{\EQ_mathdisplay_box}}
8385     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8386     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8387     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8388     \kern-\@mathmargin
8389     \MH_fi:
8390     \MH_fi:
8391     \usebox{\EQ_mathdisplay_box}}\fi%
8392     \MH_fi:}%
8393     \EQ_right_side:$}%
8394     \begin{AmSequation*}
8395     \@nameuse{EQ_place_display_
8396     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8397     \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8398     \MH_set_boolean_T:n {show_manual_tags}
8399     \MH_if_case:w \l_EQ_alignmentmode_int

```



```

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

```

## 52 File extarticle-xetex-bidi.def

```

8439 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8440 \renewcommand*\l@section[2]{%
8441 \ifnum \c@tocdepth >\z@
8442 \addpenalty\@secpenalty
8443 \addvspace{1.0em \@plus\p@}%
8444 \setlength\@tempdima{1.5em}%
8445 \begingroup
8446 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```





```

8447 \parfillskip -\@pnumwidth
8448 \leavevmode \bfseries
8449 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
8450 \hskip -\if@RTL\righskip\else\leftskip\fi
8451 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8452 \endgroup
8453 \fi}
8454 \renewcommand*\l@part[2]{%
8455 \ifnum \c@tocdepth >-2\relax
8456 \addpenalty\@secpenalty
8457 \addvspace{2.25em \@plus\p@}%
8458 \begingroup
8459 \setlength\@tempdima{3em}%
8460 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
8461 \parfillskip -\@pnumwidth
8462 {\leavevmode
8463 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8464 \nobreak
8465 \endgroup
8466 \fi}
8467 \def\@part[#1]#2{%
8468 \ifnum \c@secnumdepth >\m@ne
8469 \refstepcounter{part}%
8470 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8471 \else
8472 \addcontentsline{toc}{part}{#1}%
8473 \fi
8474 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8475 \interlinepenalty \@M
8476 \normalfont
8477 \ifnum \c@secnumdepth >\m@ne
8478 \Large\bfseries \partname~\thepart
8479 \par\nobreak
8480 \fi
8481 \huge \bfseries #2%
8482 \markboth{}{}\par}%
8483 \nobreak
8484 \vskip 3ex
8485 \@afterheading}
8486 \def\@spart#1{%
8487 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8488 \interlinepenalty \@M
8489 \normalfont
8490 \huge \bfseries #1\par}%
8491 \nobreak
8492 \vskip 3ex
8493 \@afterheading}
8494 \renewenvironment{thebibliography}[1]
8495 {\section*\refname
8496 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%

```



```

8497         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8498         \bidi@thebibliography@font@hook%
8499         \list{\@biblabel{\@arabic\c@enumiv}}%
8500             {\settowidth\labelwidth{\@biblabel{#1}}%
8501             \leftmargin\labelwidth
8502             \advance\leftmargin\labelsep
8503             \@openbib@code
8504             \usecounter{enumiv}%
8505             \let\p@enumiv\@empty
8506             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8507         \sloppy\clubpenalty4000\widowpenalty4000%
8508         \sfcode`.\@m}
8509     {\def\@noitemerr
8510     {\@latex@warning{Empty `thebibliography' environment}}}%
8511     \endlist}
8512 \renewcommand\left@footnoterule{%
8513     \kern-3\p@
8514     \hrule\@width.4\columnwidth
8515     \kern2.6\p@}
8516 \renewcommand\right@footnoterule{%
8517     \kern-3\p@
8518     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8519     \kern2.6\p@}
8520     \if@titlepage
8521     \renewcommand\maketitle{\begin{titlepage}%
8522     \let\footnotesize\small
8523     \let\right@footnoterule\relax
8524     \let\left@footnoterule\relax
8525     \let\textwidth\footnoterule\relax
8526     \let \footnote \thanks
8527     \null\vfil
8528     \vskip 60\p@
8529     \begin{center}%
8530         {\LARGE \@title \par}%
8531         \vskip 3em%
8532         {\large
8533         \lineskip .75em%
8534         \begin{tabular}[t]{c}%
8535             \@author
8536         \end{tabular}\par}%
8537         \vskip 1.5em%
8538         {\large \@date \par}%           % Set date in \large size.
8539     \end{center}\par
8540     \@thanks
8541     \vfil\null
8542     \end{titlepage}%
8543     \setcounter{footnote}{0}%
8544     \global\let\thanks\relax
8545     \global\let\maketitle\relax
8546     \global\let\@thanks\@empty

```



```

8547 \global\let\@author\@empty
8548 \global\let\@date\@empty
8549 \global\let\@title\@empty
8550 \global\let\title\relax
8551 \global\let\author\relax
8552 \global\let\date\relax
8553 \global\let\and\relax
8554 }
8555 \else
8556 \renewcommand\maketitle{\par
8557 \begingroup
8558 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8559 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8560 \long\def\@makefnmark##1{\parindent 1em\noindent
8561 \hb@xt@1.8em{%
8562 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8563 \if@twocolumn
8564 \ifnum \col@number=\@ne
8565 \maketitle
8566 \else
8567 \twocolumn[\maketitle]%
8568 \fi
8569 \else
8570 \newpage
8571 \global\@topnum\z@ % Prevents figures from going at top of page.
8572 \maketitle
8573 \fi
8574 \thispagestyle{plain}\@thanks
8575 \endgroup
8576 \setcounter{footnote}{0}%
8577 \global\let\thanks\relax
8578 \global\let\maketitle\relax
8579 \global\let\@maketitle\relax
8580 \global\let\@thanks\@empty
8581 \global\let\@author\@empty
8582 \global\let\@date\@empty
8583 \global\let\@title\@empty
8584 \global\let\title\relax
8585 \global\let\author\relax
8586 \global\let\date\relax
8587 \global\let\and\relax
8588 }
8589 \def\@maketitle{%
8590 \newpage
8591 \null
8592 \vskip 2em%
8593 \begin{center}%
8594 \let \footnote \thanks
8595 {\LARGE \@title \par}%
8596 \vskip 1.5em%

```



```

8597     {\large
8598       \lineskip .5em%
8599       \begin{tabular}[t]{c}%
8600         \@author
8601       \end{tabular}\par}%
8602     \vskip 1em%
8603     {\large \@date}%
8604   \end{center}%
8605   \par
8606   \vskip 1.5em}
8607 \fi
8608 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8609 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8610 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8611 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

### 53 File extbook-xetex-bidi.def

```

8612 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8613 \if@titlepage
8614 \renewcommand\maketitle{\begin{titlepage}%
8615 \let\footnotesize\small
8616 \let\right@footnoterule\relax
8617 \let\left@footnoterule\relax
8618 \let\textwidth\footnoterule\relax
8619 \let \footnote \thanks
8620 \let \LTRfootnote \LTRthanks
8621 \let \RTLfootnote \RTLthanks
8622 \null\vfil
8623 \vskip 60\p@
8624 \begin{center}%
8625   {\LARGE \@title \par}%
8626   \vskip 3em%
8627   {\large
8628     \lineskip .75em%
8629     \begin{tabular}[t]{c}%
8630       \@author
8631     \end{tabular}\par}%
8632     \vskip 1.5em%
8633     {\large \@date \par}%           % Set date in \large size.
8634   \end{center}\par
8635   \@thanks
8636   \vfil\null
8637 \end{titlepage}%
8638 \setcounter{footnote}{0}%
8639 \global\let\thanks\relax
8640 \global\let\LTRthanks\relax
8641 \global\let\RTLthanks\relax
8642 \global\let\maketitle\relax
8643 \global\let\@thanks\@empty

```



```

8644 \global\let\@author\@empty
8645 \global\let\@date\@empty
8646 \global\let\@title\@empty
8647 \global\let\title\relax
8648 \global\let\author\relax
8649 \global\let\date\relax
8650 \global\let\and\relax
8651 }
8652 \else
8653 \renewcommand\maketitle{\par
8654 \begingroup
8655 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8656 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8657 \long\def\@makefntext##1{\parindent 1em\noindent
8658 \hb@xt@1.8em{%
8659 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8660 \if@twocolumn
8661 \ifnum \col@number=\@ne
8662 \maketitle
8663 \else
8664 \twocolumn[\maketitle]%
8665 \fi
8666 \else
8667 \newpage
8668 \global\@topnum\z@ % Prevents figures from going at top of page.
8669 \maketitle
8670 \fi
8671 \thispagestyle{plain}\@thanks
8672 \endgroup
8673 \setcounter{footnote}{0}%
8674 \global\let\thanks\relax
8675 \global\let\LTRthanks\relax
8676 \global\let\RTLthanks\relax
8677 \global\let\maketitle\relax
8678 \global\let\@maketitle\relax
8679 \global\let\@thanks\@empty
8680 \global\let\@author\@empty
8681 \global\let\@date\@empty
8682 \global\let\@title\@empty
8683 \global\let\title\relax
8684 \global\let\author\relax
8685 \global\let\date\relax
8686 \global\let\and\relax
8687 }
8688 \def\@maketitle{%
8689 \newpage
8690 \null
8691 \vskip 2em%
8692 \begin{center}%
8693 \let \footnote \thanks

```



```

8694 \let \LTRfootnote \LTRthanks
8695 \let \RTLfootnote \RTLthanks
8696 {\LARGE \@title \par}%
8697 \vskip 1.5em%
8698 {\large
8699 \lineskip .5em%
8700 \begin{tabular}[t]{c}%
8701 \@author
8702 \end{tabular}\par}%
8703 \vskip 1em%
8704 {\large \@date}%
8705 \end{center}%
8706 \par
8707 \vskip 1.5em}
8708 \fi
8709 \renewcommand*\l@part[2]{%
8710 \ifnum \c@tocdepth >-2\relax
8711 \addpenalty{-\@highpenalty}%
8712 \addvspace{2.25em \@plus\p@}%
8713 \begingroup
8714 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8715 \parfillskip -\@pnumwidth
8716 {\leavevmode
8717 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8718 \nobreak
8719 \global\@nobreaktrue
8720 \everypar{\global\@nobreakfalse\everypar{}}%
8721 \endgroup
8722 \fi}
8723 \renewcommand\theequation
8724 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8725 \renewcommand \thefigure
8726 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8727 \renewcommand \thetable
8728 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8729 \renewcommand \thechapter {\@arabic\c@chapter}
8730 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8731 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8732 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8733 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8734 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8735 \def\@makechapterhead#1{%
8736 \vspace*{50\p@}%
8737 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8738 \ifnum \c@secnumdepth >\m@ne
8739 \if@mainmatter
8740 \huge\bfseries \@chapapp\space \thechapter
8741 \par\nobreak
8742 \vskip 20\p@
8743 \fi

```



```

8744 \fi
8745 \interlinepenalty\@M
8746 \Huge \bfseries #1\par\nobreak
8747 \vskip 40\p@
8748 }}
8749
8750 \def\@makeschapterhead#1{%
8751 \vspace*{50\p@}%
8752 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8753 \normalfont
8754 \interlinepenalty\@M
8755 \Huge \bfseries #1\par\nobreak
8756 \vskip 40\p@
8757 }}
8758 \renewcommand\backmatter{%
8759 \if@openright
8760 \cleardoublepage
8761 \else
8762 \clearpage
8763 \fi
8764 \@mainmatterfalse}
8765 \renewenvironment{thebibliography}[1]
8766 {\chapter*{\bibname
8767 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8768 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8769 \bidi@thebibliography@font@hook%
8770 \list{\@biblabel{\@arabic\c@enumiv}}%
8771 {\settowidth\labelwidth{\@biblabel{#1}}%
8772 \leftmargin\labelwidth
8773 \advance\leftmargin\labelsep
8774 \@openbib@code
8775 \usecounter{enumiv}%
8776 \let\p@enumiv\@empty
8777 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8778 \sloppy
8779 \clubpenalty4000
8780 \@clubpenalty \clubpenalty
8781 \widowpenalty4000%
8782 \sfcode`.\@m}
8783 {\def\@noitemerr
8784 {\@latex@warning{Empty `thebibliography' environment}}%
8785 \endlist}

```

## 54 File extletter-xetex-bidi.def

```

8786 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8787 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8788 \thispagestyle{firstpage}%
8789 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8790 \else % home address

```



```

8791 \thispagestyle{empty}%
8792 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8793 \fromaddress \*[2\parskip]%
8794 \@date \end{tabular}\par}%
8795 \fi
8796 \vspace{2\parskip}%
8797 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
8798 \vspace{2\parskip}%
8799 #1\par\nobreak}
8800 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8801 \stopbreaks
8802 \noindent
8803 \ifx\@empty\fromaddress\else
8804 \hspace*{\longindentation}\fi
8805 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8806 \ignorespaces #1\*[6\medskipamount]%
8807 \ifx\@empty\fromsig
8808 \fromname
8809 \else \fromsig \fi\strut}%
8810 \par}
8811 \renewcommand\left@footnoterule{%
8812 \kern-\p@
8813 \hrule \@width .4\columnwidth
8814 \kern .6\p@}
8815 \renewcommand\right@footnoterule{%
8816 \kern-\p@
8817 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8818 \kern .6\p@}

```

## 55 File extrafootnotefeatures-xetex-bidi.def

```

8819 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote features]
8820 \newif\if@bidi@void@footins
8821 \newif\if@bidi@void@mpfootins
8822 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8823 \if@bidi@csundef{ifHy@hyperfootnotes}{\}%
8824 \if@bidi@csundef{HLTR@LTRfootnotetext}{\}%
8825 \ifHy@hyperfootnotes
8826 \let\@H@@@footnotetext\@footnotetext
8827 \let\@HLTR@@LTRfootnotetext\@LTRfootnotetext
8828 \let\@HRTL@@RTLfootnotetext\@RTLfootnotetext
8829 \let\@H@@mpfootnotetext\@mpfootnotetext
8830 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8831 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8832 \fi
8833 }%
8834 }%
8835 }
8836 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8837 \if@bidi@csundef{ifHy@hyperfootnotes}{\}%

```





```

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

```



```

8888 \def\baselinestretch{\m@m@footnote@spacing}%
8889 \reset@font
8890 \foottextfont
8891 \@preamfntext
8892 \hsize\columnwidth
8893 \protected@edef\@currentlabel{%
8894   \csname p@footnote\endcsname\@thefnmark}%
8895 \color@begingroup
8896   \@normalfootfmt{#1}%
8897 \color@endgroup}%
8898   \m@mmf@prepare}
8899 \renewcommand{\@RTLfootnotetext}[1]{%
8900   \insert\footins{%
8901     \@RTLtrue%
8902     \def\baselinestretch{\m@m@footnote@spacing}%
8903     \reset@font
8904     \RTLfoottextfont
8905     \@preamfntext
8906     \hsize\columnwidth
8907     \protected@edef\@currentlabel{%
8908       \csname p@footnote\endcsname\@thefnmark}%
8909     \color@begingroup
8910       \@normalRTLfootfmt{#1}%
8911     \color@endgroup}%
8912     \m@mmf@prepare}
8913 \renewcommand{\@LTRfootnotetext}[1]{%
8914   \insert\footins{%
8915     \@RTLfalse%
8916     \def\baselinestretch{\m@m@footnote@spacing}%
8917     \reset@font
8918     \LTRfoottextfont
8919     \@preamfntext
8920     \hsize\columnwidth
8921     \protected@edef\@currentlabel{%
8922       \csname p@footnote\endcsname\@thefnmark}%
8923     \color@begingroup
8924       \@normalLTRfootfmt{#1}%
8925     \color@endgroup}%
8926     \m@mmf@prepare}
8927 \renewcommand{\@mpfootnotetext}[1]{%
8928   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8929     \unvbox\@mpfootins
8930     \def\baselinestretch{\m@m@footnote@spacing}%
8931     \reset@font%
8932     \foottextfont \hsize\columnwidth \@parboxrestore
8933     \protected@edef\@currentlabel{%
8934       \csname p@mpfootnote\endcsname\@thefnmark}%
8935     \color@begingroup
8936       \@normalfootfmt{#1}%
8937     \color@endgroup}}

```



```

8938 \renewcommand{\@mpLTRfootnotetext}[1]{%
8939   \global\setbox\@mpfootins\vbox{\@RTLfalse%
8940     \unvbox\@mpfootins
8941     \def\baselinestretch{\m@m@footnote@spacing}%
8942     \reset@font%
8943     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8944     \protected@edef\@currentlabel{%
8945       \csname p@mpfootnote\endcsname\@thefnmark}%
8946     \color@begingroup
8947     \@normalLTRfootfmt{#1}%
8948     \color@endgroup}}
8949 \renewcommand{\@mpRTLfootnotetext}[1]{%
8950   \global\setbox\@mpfootins\vbox{\@RTLtrue%
8951     \unvbox\@mpfootins
8952     \def\baselinestretch{\m@m@footnote@spacing}%
8953     \reset@font%
8954     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8955     \protected@edef\@currentlabel{%
8956       \csname p@mpfootnote\endcsname\@thefnmark}%
8957     \color@begingroup
8958     \@normalRTLfootfmt{#1}%
8959     \color@endgroup}}
8960 \let\m@mold@footnotetext\@footnotetext
8961 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8962 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8963 \let\m@mold@mpfootnotetext\@mpfootnotetext
8964 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8965 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8966 \bidi@ensure@newcommand{\normalfootnotes}{%
8967   \@bidi@before@Hy@hyperfootnotes
8968   \let\@footnotetext\m@mold@footnotetext
8969   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8970   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8971   \let\@mpfootnotetext\m@mold@mpfootnotetext
8972   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8973   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8974   \@bidi@after@Hy@hyperfootnotes
8975   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
8976 }
8977 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8978 \bidi@ensure@newcommand*\@RTLcolumnfootnotes{\@RTLcolumnfootnotestrue}
8979 \bidi@ensure@newcommand*\@LTRcolumnfootnotes{\@RTLcolumnfootnotestrue}
8980 \bidi@ensure@newcommand*\@setSingleSpace}[1]{%
8981   \def\m@m@singlespace{#1}%
8982   \def\m@m@footnote@spacing{#1}%
8983   \def\m@m@float@spacing{#1}%
8984 }
8985 \setSingleSpace{1}
8986 \bidi@ensure@newcommand*\@multiplefootnotemarker}{3sp}
8987 \bidi@ensure@newcommand*\@mmf@prepare}{%

```



```

8988 \kern-\multiplefootnotemarker
8989 \kern\multiplefootnotemarker\relax}
8990 \bidi@ensure@newlength{\footmarkwidth}
8991 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8992 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8993 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8994 \bidi@ensure@newcommand{\footfootmark}{%
8995 \ifdim\footmarkwidth < \z@
8996 \llap{\hb@xt@ -\footmarkwidth{%
8997 \hss\normalfont\footscript{\@thefnmark}}}%
8998 \hspace*{-\footmarkwidth}}%
8999 \else
9000 \ifdim\footmarkwidth = \z@
9001 {\normalfont\footscript{\@thefnmark}}%
9002 \else
9003 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
9004 \fi
9005 \fi}
9006 \bidi@ensure@newcommand{\LTRfootfootmark}{%
9007 \ifdim\footmarkwidth < \z@
9008 \llap{\hb@xt@ -\footmarkwidth{%
9009 \hss\normalfont\LTRfootscript{\@thefnmark}}}%
9010 \hspace*{-\footmarkwidth}}%
9011 \else
9012 \ifdim\footmarkwidth = \z@
9013 {\normalfont\LTRfootscript{\@thefnmark}}%
9014 \else
9015 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
9016 \fi
9017 \fi}
9018 \bidi@ensure@newcommand{\RTLfootfootmark}{%
9019 \ifdim\footmarkwidth < \z@
9020 \llap{\hb@xt@ -\footmarkwidth{%
9021 \hss\normalfont\RTLfootscript{\@thefnmark}}}%
9022 \hspace*{-\footmarkwidth}}%
9023 \else
9024 \ifdim\footmarkwidth = \z@
9025 {\normalfont\RTLfootscript{\@thefnmark}}%
9026 \else
9027 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
9028 \fi
9029 \fi}
9030 \footmarkstyle{\textsuperscript{#1}}
9031 \LTRfootmarkstyle{\textsuperscript{#1}}
9032 \RTLfootmarkstyle{\textsuperscript{#1}}
9033 \newcommand*{\bidi@normal@footmarkwidth}{%
9034 \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
9035 }
9036 \newcommand*{\bidi@star@footmarkwidth}{%
9037 \setlength{\footmarkwidth}{0em plus.4em minus.4em}%

```



```

9038 }
9039 \bidi@normal@footmarkwidth
9040 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
9041 \bidi@ensure@newcommand*{\extrafeetins}{%
9042   \setbox\@outputbox \vbox{%
9043     \boxmaxdepth \@maxdepth
9044     \unvbox\@outputbox
9045     \ifvoid\footinsv@r
9046       \ifvoid\footinsv@l
9047       \else
9048         \@footstartv@l
9049         \@LTRfootgroupv@l
9050       \fi
9051     \else
9052       \@footstartv@r
9053       \@footgroupv@r
9054       \ifvoid\footinsv@l
9055       \else
9056         @@footstart@@v@l
9057         \@LTRfootgroupv@l
9058       \fi
9059     \fi
9060     \ifvoid\@bidi@copyins@
9061     \else
9062       \vskip \skip\@bidi@copyins@
9063       \color@begingroup
9064         \normalcolor
9065         \unvbox \@bidi@copyins@
9066       \color@endgroup
9067     \fi
9068     \extrafeetinshook}}
9069 \bidi@ensure@newcommand{\extrafeetinshook}{}
9070 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
9071 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
9072 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
9073 \bidi@ensure@newlength{\footinsdim}
9074 \setlength{\footinsdim}{8in} % standard for \dimen\footins
9075 \bidi@ensure@newcommand{\@preamfntext}{%
9076   \interlinepenalty\interfootnotelinepenalty
9077   \floatingpenalty \@MM
9078   \splittopskip=\footnotesep
9079   \splitmaxdepth=\dp\strutbox
9080   \@parboxrestore}
9081 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
9082   \extrafeetminihook}
9083 \bidi@ensure@newcommand{\extrafeetendmini}{%
9084   \ifvoid\@mpfootinsv@r
9085     \ifvoid\@mpfootinsv@l
9086     \else
9087       \vskip\skip\@mpfootins

```



```

9088 \normalcolor
9089 \if@bidi@void@@mpfootins
9090 \footnoterule
9091 \fi
9092 \mp@LTRfootgroupv@l
9093 \fi
9094 \else
9095 \vskip\skip\@mpfootins
9096 \normalcolor
9097 \if@bidi@void@@mpfootins
9098 \footnoterule
9099 \fi
9100 \mp@footgroupv@r
9101 \ifvoid\@mpfootinsv@l
9102 \else
9103 \vskip\skip\@mpfootins
9104 \normalcolor\mp@LTRfootgroupv@l
9105 \fi
9106 \fi
9107 \extrafeetendminihook}
9108 \bidi@ensure@newcommand{\extrafeetendminihook}{}
9109 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
9110 \def\endminipage{%
9111 \par
9112 \unskip
9113 \ifvoid\@mpfootins
9114 \global\@bidi@void@@mpfootinstrue
9115 \else
9116 \global\@bidi@void@@mpfootinsfalse
9117 \vskip\skip\@mpfootins
9118 \normalcolor
9119 \footnoterule
9120 \unvbox\@mpfootins
9121 \fi
9122 \m@mdoextrafeetendmini
9123 \@minipagefalse
9124 \color@endgroup
9125 \egroup
9126 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
9127 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
9128 \@namedef{@footstart#1}{%
9129 \bidi@mopfn@bottom
9130 \leftskip=\z@
9131 \rightskip=\z@
9132 \parindent=\z@
9133 \vskip\skip\footins
9134 \footnoterule}}
9135 \newinsert\footinsv@r
9136 \skip\footinsv@r\bigskipamount
9137 \count\footinsv@r=1000 % no magnification

```



```

9138 \dimen\footinsv@r=\footinsdim
9139 \m@make@footstart{v@r}
9140 \newinsert\footinsv@l
9141 \skip\footinsv@l\bigskipamount
9142 \bidi@ensure@newcommand{\@footgroupv@r}{}
9143 \newinsert\@mpfootinsv@r
9144 \newinsert\@mpfootinsv@l
9145 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
9146 \newcount\m@m@k \newdimen\m@m@h
9147 \@ifpackageloaded{multicol}{%
9148 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9149 \hsize\textwidth
9150 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9151 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
9152 }{%
9153 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9154 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9155 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
9156 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
9157 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
9158 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
9159 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
9160 \setbox2 \vsplit0 to \dimen0
9161 \unvbox2 }
9162 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
9163 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9164 \@bidi@before@Hy@hyperfootnotes
9165 \let\@footnotetext\@twocolfootnotetext
9166 \let\@LTRfootnotetext\@twocolLTRfootnotetext
9167 \let\@RTLfootnotetext\@twocolRTLfootnotetext
9168 \dimen\footinsv@r=2\footinsdim
9169 \count\footinsv@r=500\relax
9170 \m@make@twocol@footgroup{v@r}%
9171 \let\@footgroupv@r\@twocol@footgroupv@r
9172 \let\@mpfootnotetext\@mptwocolfootnotetext
9173 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
9174 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
9175 \@bidi@after@Hy@hyperfootnotes
9176 \m@make@mptwocol@footgroup{v@r}%
9177 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
9178 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9179 }
9180 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9181 \def\baselinestretch{\m@m@footnote@spacing}%
9182 \reset@font\foottextfont
9183 \@preamfntext
9184 \protected@edef\@currentlabel{%
9185 \csname p@footnote\endcsname\@thefnmark}%
9186 \color@begingroup
9187 \@twocolfootfmt{#1}%

```



```

9188 \color@endgroup}%
9189 \m@mmf@prepare}
9190 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9191 \def\baselinestretch{\m@m@footnote@spacing}%
9192 \reset@font\LTRfoottextfont
9193 \@preamfntext
9194 \protected@edef\@currentlabel{%
9195 \csname p@footnote\endcsname\@thefnmark}%
9196 \color@begingroup
9197 \@twocolLTRfootfmt{#1}%
9198 \color@endgroup}%
9199 \m@mmf@prepare}
9200 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9201 \def\baselinestretch{\m@m@footnote@spacing}%
9202 \reset@font\RTLfoottextfont
9203 \@preamfntext
9204 \protected@edef\@currentlabel{%
9205 \csname p@footnote\endcsname\@thefnmark}%
9206 \color@begingroup
9207 \@twocolRTLfootfmt{#1}%
9208 \color@endgroup}%
9209 \m@mmf@prepare}
9210 \bidi@ensure@newcommand{\@preamtwofmt}{%
9211 \hspace{.45\hspace}
9212 \parindent=\z@
9213 \tolerance=5000\relax
9214 \leavevmode}
9215 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
9216 \@preamtwofmt
9217 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9218 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
9219 \@preamtwofmt
9220 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9221 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
9222 \@preamtwofmt
9223 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9224 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
9225 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9226 \unvbox\@mpfootinsv@r
9227 \def\baselinestretch{\m@m@footnote@spacing}%
9228 \reset@font\foottextfont
9229 \hspace\columnwidth \@parboxrestore
9230 \protected@edef\@currentlabel{%
9231 \csname p@mpfootnote\endcsname\@thefnmark}%
9232 \color@begingroup
9233 \@twocolfootfmt{#1}%
9234 \color@endgroup}%
9235 \m@mmf@prepare}
9236 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
9237 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%

```





```

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

```



```

9288 }
9289 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9290 \def\baselinestretch{\m@m@footnote@spacing}%
9291 \reset@font\foottextfont
9292 \@preamfntext
9293 \protected@edef\@currentlabel{%
9294 \csname p@footnote\endcsname\@thefnmark}%
9295 \color@begingroup
9296 \@threecolfootfmt{#1}%
9297 \color@endgroup}\m@mmf@prepare}
9298 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9299 \def\baselinestretch{\m@m@footnote@spacing}%
9300 \reset@font\LTRfoottextfont
9301 \@preamfntext
9302 \protected@edef\@currentlabel{%
9303 \csname p@footnote\endcsname\@thefnmark}%
9304 \color@begingroup
9305 \@threecolLTRfootfmt{#1}%
9306 \color@endgroup}\m@mmf@prepare}
9307 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9308 \def\baselinestretch{\m@m@footnote@spacing}%
9309 \reset@font\RTLfoottextfont
9310 \@preamfntext
9311 \protected@edef\@currentlabel{%
9312 \csname p@footnote\endcsname\@thefnmark}%
9313 \color@begingroup
9314 \@threecolRTLfootfmt{#1}%
9315 \color@endgroup}\m@mmf@prepare}
9316 \bidi@ensure@newcommand{\@preamthreefmt}{%
9317 \hsize .3\hsize
9318 \parindent=\z@
9319 \tolerance=5000\relax
9320 \leavevmode}
9321 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9322 \@preamthreefmt
9323 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9324 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9325 \@preamthreefmt
9326 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9327 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9328 \@preamthreefmt
9329 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9330 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9331 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9332 \unvbox\@mpfootinsv@r
9333 \def\baselinestretch{\m@m@footnote@spacing}%
9334 \reset@font\foottextfont
9335 \hsize\columnwidth \@parboxrestore
9336 \protected@edef\@currentlabel{%
9337 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9338 \color@begingroup
9339   \@threecolfootfmt{#1}%
9340 \color@endgroup}\m@mmf@prepare}
9341 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9342   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9343     \unvbox\@mpfootinsv@r
9344     \def\baselinestretch{\m@m@footnote@spacing}%
9345     \reset@font\LTRfoottextfont
9346     \hsize\columnwidth \@parboxrestore
9347     \ifRTLcolumnfootnotes\beginL\fi
9348     \protected@edef\@currentlabel{%
9349       \csname p@mpfootnote\endcsname\@thefnmark}%
9350 \color@begingroup
9351   \@threecolLTRfootfmt{#1}%
9352 \color@endgroup}\m@mmf@prepare}
9353 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9354   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9355     \unvbox\@mpfootinsv@r
9356     \def\baselinestretch{\m@m@footnote@spacing}%
9357     \reset@font\RTLfoottextfont
9358     \hsize\columnwidth \@parboxrestore
9359     \protected@edef\@currentlabel{%
9360       \csname p@mpfootnote\endcsname\@thefnmark}%
9361 \color@begingroup
9362   \@threecolRTLfootfmt{#1}%
9363 \color@endgroup}\m@mmf@prepare}
9364 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9365   \@namedef{@threecol@footgroup#1}{%
9366     \def\baselinestretch{\m@m@footnote@spacing}%
9367     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9368     \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
9369 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9370   \@namedef{@mpthreecol@footgroup#1}{%
9371     \def\baselinestretch{\m@m@footnote@spacing}%
9372     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9373     \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}%
9374 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9375   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9376   \@bidi@before@Hy@hyperfootnotes
9377   \let\@footnotetext\@fourcolfootnotetext
9378   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9379   \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9380   \dimen\footinsv@r=4\footinsdim
9381   \count\footinsv@r=250\relax
9382   \m@make@fourcol@footgroup{v@r}%
9383   \let\@footgroupv@r\@fourcol@footgroupv@r
9384   \let\@mpfootnotetext\@mpfourcolfootnotetext
9385   \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9386   \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9387   \@bidi@after@Hy@hyperfootnotes

```



```

9388 \m@make@mpfourcol@footgroup{v@r}%
9389 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
9390 \@ifstar\ bidi@star@footmarkwidth\ bidi@normal@footmarkwidth
9391 }
9392 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9393 \def\baselinestretch{\m@m@footnote@spacing}%
9394 \reset@font\foottextfont
9395 \@preamfntext
9396 \protected@edef\@currentlabel{%
9397 \csname p@footnote\endcsname\@thefnmark}%
9398 \color@begingroup
9399 \@fourcolfootfmt{#1}%
9400 \color@endgroup}%
9401 \m@m@mmf@prepare}
9402 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9403 \def\baselinestretch{\m@m@footnote@spacing}%
9404 \reset@font\LTRfoottextfont
9405 \@preamfntext
9406 \protected@edef\@currentlabel{%
9407 \csname p@footnote\endcsname\@thefnmark}%
9408 \color@begingroup
9409 \@fourcolLTRfootfmt{#1}%
9410 \color@endgroup}%
9411 \m@m@mmf@prepare}
9412 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9413 \def\baselinestretch{\m@m@footnote@spacing}%
9414 \reset@font\RTLfoottextfont
9415 \@preamfntext
9416 \protected@edef\@currentlabel{%
9417 \csname p@footnote\endcsname\@thefnmark}%
9418 \color@begingroup
9419 \@fourcolRTLfootfmt{#1}%
9420 \color@endgroup}%
9421 \m@m@mmf@prepare}
9422 \bidi@ensure@newcommand{\@preamfourfmt}{%
9423 \hspace{.25\hsize}
9424 \parindent=\z@
9425 \tolerance=5000\relax
9426 \leavevmode}
9427 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9428 \@preamfourfmt
9429 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9430 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9431 \@preamfourfmt
9432 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9433 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9434 \@preamfourfmt
9435 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9436 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9437 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

9438 \unvbox\@mpfootinsv@r
9439 \def\baselinestretch{\m@m@footnote@spacing}%
9440 \reset@font\foottextfont
9441 \hsize\columnwidth \@parboxrestore
9442 \protected@edef\@currentlabel{%
9443 \csname p@mpfootnote\endcsname\@thefnmark}%
9444 \color@begingroup
9445 \@fourcolfootfmt{#1}%
9446 \color@endgroup}%
9447 \m@m@mmf@prepare}
9448 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9449 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9450 \unvbox\@mpfootinsv@r
9451 \def\baselinestretch{\m@m@footnote@spacing}%
9452 \reset@font\LTRfoottextfont
9453 \hsize\columnwidth \@parboxrestore
9454 \if@RTLcolumnfootnotes\beginL\fi
9455 \protected@edef\@currentlabel{%
9456 \csname p@mpfootnote\endcsname\@thefnmark}%
9457 \color@begingroup
9458 \@fourcolLTRfootfmt{#1}%
9459 \color@endgroup}%
9460 \m@m@mmf@prepare}
9461 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9462 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9463 \unvbox\@mpfootinsv@r
9464 \def\baselinestretch{\m@m@footnote@spacing}%
9465 \reset@font\RTLfoottextfont
9466 \hsize\columnwidth \@parboxrestore
9467 \protected@edef\@currentlabel{%
9468 \csname p@mpfootnote\endcsname\@thefnmark}%
9469 \color@begingroup
9470 \@fourcolRTLfootfmt{#1}%
9471 \color@endgroup}%
9472 \m@m@mmf@prepare}
9473 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9474 \@namedef{@fourcol@footgroup#1}{%
9475 \def\baselinestretch{\m@m@footnote@spacing}%
9476 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9477 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
9478 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9479 \@namedef{@mpfourcol@footgroup#1}{%
9480 \def\baselinestretch{\m@m@footnote@spacing}%
9481 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9482 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
9483 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9484 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9485 \@bidi@before@Hy@hyperfootnotes
9486 \let\@footnotetext\@fivecolfootnotetext
9487 \let\@LTRfootnotetext\@fivecolLTRfootnotetext

```



```

9488 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9489 \dimen\footinsv@r=5\footinsdim
9490 \count\footinsv@r=200\relax
9491 \m@make@fivecol@footgroup{v@r}%
9492 \let\@footgroupv@r\@fivecol@footgroupv@r
9493 \let\@mpfootnotetext\@mpfivecolfootnotetext
9494 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9495 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9496 \@bidi@after@Hy@hyperfootnotes
9497 \m@make@mpfivecol@footgroup{v@r}%
9498 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
9499 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9500 }
9501 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9502 \def\baselinestretch{\m@mm@footnote@spacing}%
9503 \reset@font\foottextfont
9504 \@preamfntext
9505 \protected@edef\@currentlabel{%
9506 \csname p@footnote\endcsname\@thefnmark}%
9507 \color@begingroup
9508 \@fivecolfootfmt{#1}%
9509 \color@endgroup}%
9510 \m@mmf@prepare}
9511 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9512 \def\baselinestretch{\m@mm@footnote@spacing}%
9513 \reset@font\LTRfoottextfont
9514 \@preamfntext
9515 \protected@edef\@currentlabel{%
9516 \csname p@footnote\endcsname\@thefnmark}%
9517 \color@begingroup
9518 \@fivecolLTRfootfmt{#1}%
9519 \color@endgroup}%
9520 \m@mmf@prepare}
9521 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9522 \def\baselinestretch{\m@mm@footnote@spacing}%
9523 \reset@font\RTLfoottextfont
9524 \@preamfntext
9525 \protected@edef\@currentlabel{%
9526 \csname p@footnote\endcsname\@thefnmark}%
9527 \color@begingroup
9528 \@fivecolRTLfootfmt{#1}%
9529 \color@endgroup}%
9530 \m@mmf@prepare}
9531 \bidi@ensure@newcommand{\@preamfivefmt}{%
9532 \hsize .2\hsize
9533 \parindent=\z@
9534 \tolerance=5000\relax
9535 \leavevmode}
9536 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9537 \@preamfivefmt

```



```

9538 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9539 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9540   \@preamfivefmt
9541   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9542 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9543   \@preamfivefmt
9544   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9545 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9546   \global\setbox\@mpfootinsv\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9547     \unvbox\@mpfootinsv}
9548   \def\baselinestretch{\m@n@footnote@spacing}%
9549   \reset@font\foottextfont
9550   \hsize\columnwidth \@parboxrestore
9551   \protected@edef\@currentlabel{%
9552     \csname p@mpfootnote\endcsname\@thefnmark}%
9553   \color@begingroup
9554     \@fivecolfootfmt{#1}%
9555   \color@endgroup}%
9556   \m@mmlf@prepare}
9557 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9558   \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
9559     \unvbox\@mpfootinsv}
9560   \def\baselinestretch{\m@n@footnote@spacing}%
9561   \reset@font\LTRfoottextfont
9562   \hsize\columnwidth \@parboxrestore
9563   \if@RTLcolumnfootnotes\beginL\fi
9564   \protected@edef\@currentlabel{%
9565     \csname p@mpfootnote\endcsname\@thefnmark}%
9566   \color@begingroup
9567     \@fivecolLTRfootfmt{#1}%
9568   \color@endgroup}%
9569   \m@mmlf@prepare}
9570 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9571   \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
9572     \unvbox\@mpfootinsv}
9573   \def\baselinestretch{\m@n@footnote@spacing}%
9574   \reset@font\RTLfoottextfont
9575   \hsize\columnwidth \@parboxrestore
9576   \protected@edef\@currentlabel{%
9577     \csname p@mpfootnote\endcsname\@thefnmark}%
9578   \color@begingroup
9579     \@fivecolRTLfootfmt{#1}%
9580   \color@endgroup}%
9581   \m@mmlf@prepare}
9582 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9583   \@namedef{\@fivecol@footgroup#1}{%
9584     \def\baselinestretch{\m@n@footnote@spacing}%
9585     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9586     \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
9587 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%

```



```

9588 \@namedef{@mpfivecol@footgroup#1}{%
9589   \def\baselinestretch{\m@m@footnote@spacing}%
9590   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9591   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
9592 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9593   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9594   \@bidi@before@Hy@hyperfootnotes
9595   \let\@footnotetext\@sixcolfootnotetext
9596   \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9597   \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9598   \dimen\footinsv@r=6\footinsdim
9599   \count\footinsv@r=166\relax
9600   \m@make@sixcol@footgroup{v@r}%
9601   \let\@footgroupv@r\@sixcol@footgroupv@r
9602   \let\@mpfootnotetext\@mpsixcolfootnotetext
9603   \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9604   \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9605   \@bidi@after@Hy@hyperfootnotes
9606   \m@make@mpsixcol@footgroup{v@r}%
9607   \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9608   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9609 }
9610 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9611   \def\baselinestretch{\m@m@footnote@spacing}%
9612   \reset@font\foottextfont
9613   \@preamfntext
9614   \protected@edef\@currentlabel{%
9615     \csname p@footnote\endcsname\@thefnmark}%
9616   \color@begingroup
9617     \@sixcolfootfmt{#1}%
9618   \color@endgroup}%
9619   \m@mmf@prepare}
9620 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9621   \def\baselinestretch{\m@m@footnote@spacing}%
9622   \reset@font\LTRfoottextfont
9623   \@preamfntext
9624   \protected@edef\@currentlabel{%
9625     \csname p@footnote\endcsname\@thefnmark}%
9626   \color@begingroup
9627     \@sixcolLTRfootfmt{#1}%
9628   \color@endgroup}%
9629   \m@mmf@prepare}
9630 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9631   \def\baselinestretch{\m@m@footnote@spacing}%
9632   \reset@font\RTLfoottextfont
9633   \@preamfntext
9634   \protected@edef\@currentlabel{%
9635     \csname p@footnote\endcsname\@thefnmark}%
9636   \color@begingroup
9637     \@sixcolRTLfootfmt{#1}%

```





```

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

```



```

9688 \sixcolRTLfootfmt{#1}%
9689 \color@endgroup}%
9690 \m@mmf@prepare}
9691 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9692 \namedef{@sixcol@footgroup#1}{%
9693 \def\baselinestretch{\m@footnote@spacing}%
9694 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9695 \m@r@rigidbalance{\nameuse{footins#1}}{6}{\splittopskip}}}%
9696 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9697 \namedef{@mpsixcol@footgroup#1}{%
9698 \def\baselinestretch{\m@footnote@spacing}%
9699 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9700 \m@r@rigidbalance{\nameuse{mpfootins#1}}{6}{\splittopskip}}}%
9701 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9702 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9703 \@bidi@before@Hy@hyperfootnotes
9704 \let\@footnotetext\@sevendcolfootnotetext
9705 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9706 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9707 \dimen\footinsv@r=7\footinsdim
9708 \count\footinsv@r=142\relax
9709 \m@make@sevendcol@footgroup{v@r}%
9710 \let\@footgroupv@r\@sevendcol@footgroupv@r
9711 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9712 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9713 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9714 \@bidi@after@Hy@hyperfootnotes
9715 \m@make@mpsevendcol@footgroup{v@r}%
9716 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
9717 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9718 }
9719 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9720 \def\baselinestretch{\m@footnote@spacing}%
9721 \reset@font\foottextfont
9722 \@preamfntext
9723 \protected@edef\@currentlabel{%
9724 \csname p@footnote\endcsname\@thefnmark}%
9725 \color@begingroup
9726 \sevendcolfootfmt{#1}%
9727 \color@endgroup}%
9728 \m@mmf@prepare}
9729 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9730 \def\baselinestretch{\m@footnote@spacing}%
9731 \reset@font\LTRfoottextfont
9732 \@preamfntext
9733 \protected@edef\@currentlabel{%
9734 \csname p@footnote\endcsname\@thefnmark}%
9735 \color@begingroup
9736 \sevendcolLTRfootfmt{#1}%
9737 \color@endgroup}%

```



```

9738 \m@mmf@prepare}
9739 \bidi@ensure@newcommand{\@sevencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9740 \def\baselinestretch{\m@m@footnote@spacing}%
9741 \reset@font\RTLfoottextfont
9742 \@preamfntext
9743 \protected@edef\@currentlabel{%
9744 \csname p@footnote\endcsname\@thefnmark}%
9745 \color@begingroup
9746 \@sevencolRTLfootfmt{#1}%
9747 \color@endgroup}%
9748 \m@mmf@prepare}
9749 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9750 \hsize .142\hsize
9751 \parindent=\z@
9752 \tolerance=5000\relax
9753 \leavevmode}
9754 \bidi@ensure@newcommand{\@sevencolfootfmt}[1]{%
9755 \@preamsevenfmt
9756 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9757 \bidi@ensure@newcommand{\@sevencolLTRfootfmt}[1]{%
9758 \@preamsevenfmt
9759 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9760 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
9761 \@preamsevenfmt
9762 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9763 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9764 \global\setbox\@mpfootinsv@r\vbox{%
9765 \unvbox\@mpfootinsv@r
9766 \def\baselinestretch{\m@m@footnote@spacing}%
9767 \reset@font\foottextfont
9768 \hsize\columnwidth \@parboxrestore
9769 \protected@edef\@currentlabel{%
9770 \csname p@mpfootnote\endcsname\@thefnmark}%
9771 \color@begingroup
9772 \@sevencolfootfmt{#1}%
9773 \color@endgroup}%
9774 \m@mmf@prepare}
9775 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
9776 \global\setbox\@mpfootinsv@r\vbox{%
9777 \unvbox\@mpfootinsv@r
9778 \def\baselinestretch{\m@m@footnote@spacing}%
9779 \reset@font\LTRfoottextfont
9780 \hsize\columnwidth \@parboxrestore
9781 \if@RTLcolumnfootnotes\beginL\fi
9782 \protected@edef\@currentlabel{%
9783 \csname p@mpfootnote\endcsname\@thefnmark}%
9784 \color@begingroup
9785 \@sevencolLTRfootfmt{#1}%
9786 \color@endgroup}%
9787 \m@mmf@prepare}

```



```

9788 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
9789 \global\setbox\@mpfootinsv@r\vbox{%
9790 \unvbox\@mpfootinsv@r
9791 \def\baselinestretch{\m@m@footnote@spacing}%
9792 \reset@font\RTLfoottextfont
9793 \hsize\columnwidth \@parboxrestore
9794 \protected@edef\@currentlabel{%
9795 \csname p@mpfootnote\endcsname\@thefnmark}%
9796 \color@begingroup
9797 \@sevencolRTLfootfmt{#1}%
9798 \color@endgroup}%
9799 \m@m@mmf@prepare}
9800 \bidi@ensure@newcommand{\m@make@sevencol@footgroup}[1]{%
9801 \@namedef{@sevencol@footgroup#1}{%
9802 \def\baselinestretch{\m@m@footnote@spacing}%
9803 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9804 \m@m@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
9805 \bidi@ensure@newcommand{\m@make@mpsevencol@footgroup}[1]{%
9806 \@namedef{@mpsevencol@footgroup#1}{%
9807 \def\baselinestretch{\m@m@footnote@spacing}%
9808 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9809 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
9810 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9811 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9812 \@bidi@before@Hy@hyperfootnotes
9813 \let\@footnotetext\@eightcolfootnotetext
9814 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9815 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9816 \dimen\footinsv@r=8\footinsdim
9817 \count\footinsv@r=125\relax
9818 \m@make@eightcol@footgroup{v@r}%
9819 \let\@footgroupv@r\@eightcol@footgroupv@r
9820 \let\@mpfootnotetext\@mpeightcolfootnotetext
9821 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9822 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9823 \@bidi@after@Hy@hyperfootnotes
9824 \m@make@mpeightcol@footgroup{v@r}%
9825 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
9826 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9827 }
9828 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9829 \def\baselinestretch{\m@m@footnote@spacing}%
9830 \reset@font\foottextfont
9831 \@preamfntext
9832 \protected@edef\@currentlabel{%
9833 \csname p@footnote\endcsname\@thefnmark}%
9834 \color@begingroup
9835 \@eightcolfootfmt{#1}%
9836 \color@endgroup}%
9837 \m@m@mmf@prepare}

```



```

9838 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotetext}%
9839 \def\baselinestretch{\m@m@footnote@spacing}%
9840 \reset@font\LTRfoottextfont
9841 \@preamfntext
9842 \protected@edef\@currentlabel{%
9843 \csname p@footnote\endcsname\@thefnmark}%
9844 \color@begingroup
9845 \@eightcolLTRfootfmt{#1}%
9846 \color@endgroup}%
9847 \m@mmf@prepare}
9848 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue}%
9849 \def\baselinestretch{\m@m@footnote@spacing}%
9850 \reset@font\RTLfoottextfont
9851 \@preamfntext
9852 \protected@edef\@currentlabel{%
9853 \csname p@footnote\endcsname\@thefnmark}%
9854 \color@begingroup
9855 \@eightcolRTLfootfmt{#1}%
9856 \color@endgroup}%
9857 \m@mmf@prepare}
9858 \bidi@ensure@newcommand{\@preameightfmt}{%
9859 \hspace{.125\hspace}
9860 \parindent=\z@
9861 \tolerance=5000\relax
9862 \leavevmode}
9863 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9864 \@preameightfmt
9865 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9866 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9867 \@preameightfmt
9868 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9869 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9870 \@preameightfmt
9871 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9872 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9873 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9874 \unvbox\@mpfootinsv@r
9875 \def\baselinestretch{\m@m@footnote@spacing}%
9876 \reset@font\foottextfont
9877 \hspace\columnwidth \@parboxrestore
9878 \protected@edef\@currentlabel{%
9879 \csname p@mpfootnote\endcsname\@thefnmark}%
9880 \color@begingroup
9881 \@eightcolfootfmt{#1}%
9882 \color@endgroup}%
9883 \m@mmf@prepare}
9884 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9885 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9886 \unvbox\@mpfootinsv@r
9887 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9888 \reset@font\LTRfoottextfont
9889 \hsize\columnwidth \@parboxrestore
9890 \if@RTLcolumnfootnotes\beginL\fi
9891 \protected@edef\@currentlabel{%
9892   \csname p@mpfootnote\endcsname\@thefnmark}%
9893 \color@begingroup
9894 \@eightcolLTRfootfmt{#1}%
9895 \color@endgroup}%
9896 \m@mmf@prepare}
9897 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9898 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9899 \unvbox\@mpfootinsv@r
9900 \def\baselinestretch{\m@m@footnote@spacing}%
9901 \reset@font\LTRfoottextfont
9902 \hsize\columnwidth \@parboxrestore
9903 \protected@edef\@currentlabel{%
9904   \csname p@mpfootnote\endcsname\@thefnmark}%
9905 \color@begingroup
9906 \@eightcolRTLfootfmt{#1}%
9907 \color@endgroup}%
9908 \m@mmf@prepare}
9909 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9910 \@namedef{\@eightcol@footgroup#1}{%
9911 \def\baselinestretch{\m@m@footnote@spacing}%
9912 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9913 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9914 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9915 \@namedef{\@mpeightcol@footgroup#1}{%
9916 \def\baselinestretch{\m@m@footnote@spacing}%
9917 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9918 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{8}{\splittopskip}}}%
9919 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9920 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9921 \@bidi@before@Hy@hyperfootnotes
9922 \let\@footnotetext\@ninelcolfootnotetext
9923 \let\@LTRfootnotetext\@ninelcolLTRfootnotetext
9924 \let\@RTLfootnotetext\@ninelcolRTLfootnotetext
9925 \dimen\footinsv@r=9\footinsdim
9926 \count\footinsv@r=111\relax
9927 \m@make@ninelcol@footgroup{v@r}%
9928 \let\@footgroupv@r\@ninelcol@footgroupv@r
9929 \let\@mpfootnotetext\@mpninelcolfootnotetext
9930 \let\@mpLTRfootnotetext\@mpninelcolLTRfootnotetext
9931 \let\@mpRTLfootnotetext\@mpninelcolRTLfootnotetext
9932 \@bidi@after@Hy@hyperfootnotes
9933 \m@make@mpninelcol@footgroup{v@r}%
9934 \let\mp@footgroupv@r\@mpninelcol@footgroupv@r
9935 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9936 }
9937 \bidi@ensure@newcommand{\@ninelcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue

```



```

9938 \def\baselinestretch{\m@m@footnote@spacing}%
9939 \reset@font\foottextfont
9940 \@preamfntext
9941 \protected@edef\@currentlabel{%
9942   \csname p@footnote\endcsname\@thefnmark}%
9943 \color@begingroup
9944   \@ninecolfootfmt{#1}%
9945 \color@endgroup}%
9946 \m@mmf@prepare}
9947 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9948 \def\baselinestretch{\m@m@footnote@spacing}%
9949 \reset@font\LTRfoottextfont
9950 \@preamfntext
9951 \protected@edef\@currentlabel{%
9952   \csname p@footnote\endcsname\@thefnmark}%
9953 \color@begingroup
9954   \@ninecolLTRfootfmt{#1}%
9955 \color@endgroup}%
9956 \m@mmf@prepare}
9957 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9958 \def\baselinestretch{\m@m@footnote@spacing}%
9959 \reset@font\RTLfoottextfont
9960 \@preamfntext
9961 \protected@edef\@currentlabel{%
9962   \csname p@footnote\endcsname\@thefnmark}%
9963 \color@begingroup
9964   \@ninecolRTLfootfmt{#1}%
9965 \color@endgroup}%
9966 \m@mmf@prepare}
9967 \bidi@ensure@newcommand{\@preamninefmt}{%
9968 \hsize .1\hsize
9969 \parindent=\z@
9970 \tolerance=5000\relax
9971 \leavevmode}
9972 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9973 \@preamninefmt
9974 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9975 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9976 \@preamninefmt
9977 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9978 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9979 \@preamninefmt
9980 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9981 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9982 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9983   \unvbox\@mpfootinsv@r
9984   \def\baselinestretch{\m@m@footnote@spacing}%
9985   \reset@font\foottextfont
9986   \hsize\columnwidth \@parboxrestore
9987   \protected@edef\@currentlabel{%

```



```

9988      \csname p@mpfootnote\endcsname\@thefnmark}%
9989      \color@begingroup
9990      \@ninecolfootfmt{#1}%
9991      \color@endgroup}%
9992      \m@mmf@prepare}
9993 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9994   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9995     \unvbox\@mpfootinsv@r
9996     \def\baselinestretch{\m@m@footnote@spacing}%
9997     \reset@font\LTRfoottextfont
9998     \hsize\columnwidth \@parboxrestore
9999     \ifRTLcolumnfootnotes\beginL\fi
10000     \protected@edef\@currentlabel{%
10001       \csname p@mpfootnote\endcsname\@thefnmark}%
10002     \color@begingroup
10003     \@ninecolLTRfootfmt{#1}%
10004     \color@endgroup}%
10005     \m@mmf@prepare}
10006 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10007   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10008     \unvbox\@mpfootinsv@r
10009     \def\baselinestretch{\m@m@footnote@spacing}%
10010     \reset@font\RTLfoottextfont
10011     \hsize\columnwidth \@parboxrestore
10012     \protected@edef\@currentlabel{%
10013       \csname p@mpfootnote\endcsname\@thefnmark}%
10014     \color@begingroup
10015     \@ninecolRTLfootfmt{#1}%
10016     \color@endgroup}%
10017     \m@mmf@prepare}
10018 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
10019   \@namedef{\@ninecol@footgroup#1}{%
10020     \def\baselinestretch{\m@m@footnote@spacing}%
10021     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10022     \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
10023 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
10024   \@namedef{\@mpninecol@footgroup#1}{%
10025     \def\baselinestretch{\m@m@footnote@spacing}%
10026     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10027     \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}%
10028 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10029   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10030   \@bidi@before@Hy@hyperfootnotes
10031   \let\@footnotetext\@tencolfootnotetext
10032   \let\@LTRfootnotetext\@tencolLTRfootnotetext
10033   \let\@RTLfootnotetext\@tencolRTLfootnotetext
10034   \dimen\footinsv@r=10\footinsdim
10035   \count\footinsv@r=100\relax
10036   \m@make@tencol@footgroup{v@r}%
10037   \let\@footgroupv@r\@tencol@footgroupv@r

```





```

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

```



```

10088 \@preamtenfmt
10089 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10090 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10091   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10092     \unvbox\@mpfootinsv@r
10093     \def\baselinestretch{\m@m@footnote@spacing}%
10094     \reset@font\foottextfont
10095     \hsize\columnwidth \@parboxrestore
10096     \protected@edef\@currentlabel{%
10097       \csname p@mpfootnote\endcsname\@thefnmark}%
10098     \color@begingroup
10099       \@tencolfootfmt{#1}%
10100     \color@endgroup}%
10101   \m@mmf@prepare}
10102 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10103   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10104     \unvbox\@mpfootinsv@r
10105     \def\baselinestretch{\m@m@footnote@spacing}%
10106     \reset@font\LTRfoottextfont
10107     \hsize\columnwidth \@parboxrestore
10108     \if@RTLcolumnfootnotes\beginL\fi
10109     \protected@edef\@currentlabel{%
10110       \csname p@mpfootnote\endcsname\@thefnmark}%
10111     \color@begingroup
10112       \@tencolLTRfootfmt{#1}%
10113     \color@endgroup}%
10114   \m@mmf@prepare}
10115 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10116   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10117     \unvbox\@mpfootinsv@r
10118     \def\baselinestretch{\m@m@footnote@spacing}%
10119     \reset@font\RTLfoottextfont
10120     \hsize\columnwidth \@parboxrestore
10121     \protected@edef\@currentlabel{%
10122       \csname p@mpfootnote\endcsname\@thefnmark}%
10123     \color@begingroup
10124       \@tencolRTLfootfmt{#1}%
10125     \color@endgroup}%
10126   \m@mmf@prepare}
10127 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10128   \@namedef{@tencol@footgroup#1}{%
10129     \def\baselinestretch{\m@m@footnote@spacing}%
10130     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10131     \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
10132 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10133   \@namedef{@mptencol@footgroup#1}{%
10134     \def\baselinestretch{\m@m@footnote@spacing}%
10135     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10136     \m@mrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}}%
10137 \bidi@ensure@newcommand{\m@munvxh}[1]{%

```



```

10138 \setbox0=\vbox{\unvbox#1%
10139 \global\setbox1=\lastbox}%
10140 \unhbox1
10141 \unskip
10142 \unskip
10143 \unpenalty
10144 \hskip\m@mipn@skip}
10145 \bidi@ensure@newcommand{\m@mungebox}{%
10146 \setbox0=\hbox{\m@munvxh0}%
10147 \dp0=\z@
10148 \ht0=\footfudgefactor\wd0
10149 \box0
10150 \penalty0}
10151 \newskip\m@mipn@skip
10152 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
10153 {\foottextfont\global\m@mipn@skip=#1\relax}}
10154 \m@minterparanoteglue{1em plus.4em minus.4em}
10155 \@ifpackageloaded{multicol}{%
10156 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10157 \hsize\textwidth%
10158 \setbox0=\hbox{}%
10159 \loop
10160 \unpenalty
10161 \setbox2=\lastbox
10162 \ifhbox2
10163 \setbox0=\hbox{\box2\unhbox0}
10164 \repeat}%
10165 }{%
10166 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10167 \setbox0=\hbox{}%
10168 \loop
10169 \unpenalty
10170 \setbox2=\lastbox
10171 \ifhbox2
10172 \setbox0=\hbox{\box2\unhbox0}
10173 \repeat}}
10174 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10175 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10176 \newcommand*\AddExtraParaSkip[1]{%
10177 \if@bidi@csdef{footfudgefactor}{%
10178 \PackageError{bidi}{%
10179 The control sequence `string\AddExtraParaSkip`
10180 must be used before the control sequence
10181 `string\paragraphfootnotes' in the preamble%
10182 }\@ehc
10183 }{%
10184 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
10185 }%
10186 }
10187 \bidi@ensure@newcommand{\paragraphfootnotes}{%

```



```

10188 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10189 \@bidi@before@Hy@hyperfootnotes
10190 \let\@footnotetext\@parafootnotetext
10191 \let\@LTRfootnotetext\@paraLTRfootnotetext
10192 \let\@RTLfootnotetext\@paraRTLfootnotetext
10193 \dimen\footinsv@r=\footinsdim
10194 \count\footinsv@r=1000\relax
10195 \m@make@para@footgroup{v@r}%
10196 \m@make@para@footstart{v@r}%
10197 \let\@footgroupv@r\@para@footgroupv@r
10198 \let\@footstartv@r\@para@footstartv@r
10199 \dimen\footinsv@l=\footinsdim
10200 \count\footinsv@l=1000\relax
10201 \bidi@make@para@LTRfootgroup{v@l}%
10202 \m@make@para@footstart{v@l}%
10203 \bidi@make@para@footstart@@{v@l}%
10204 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10205 \let\@footstartv@l\@para@footstartv@l
10206 \let\@@footstart@@v@l\@@para@footstart@@v@l
10207 \let\@mpfootnotetext\@mpparafootnotetext
10208 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10209 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10210 \@bidi@after@Hy@hyperfootnotes
10211 \m@make@mppara@footgroup{v@r}%
10212 \bidi@make@mppara@LTRfootgroup{v@l}%
10213 \let\mp@footgroupv@r\@mppara@footgroupv@r
10214 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10215 \begingroup
10216 \def\baselinestretch{\m@m@footnote@spacing}%
10217 \foottextfont
10218 \@tempdima\footnotesep
10219 \advance\@tempdima -\ht\strutbox
10220 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10221 \advance\@tempdima.5\normalbaselineskip
10222 \bidi@xparaskip
10223 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10224 \ifdim\skip\footinsv@r>\bigskipamount
10225 \else
10226 \global\advance\skip\footinsv@r\bidi@paraskip
10227 \fi
10228 \ifdim\skip\footinsv@l>\bigskipamount
10229 \else
10230 \global\advance\skip\footinsv@l\bidi@paraskip
10231 \fi
10232 \@tempdima\normalbaselineskip
10233 \multiply \@tempdima \@cclvi
10234 \@tempdimb \columnwidth
10235 \divide \@tempdimb \@cclvi
10236 \divide \@tempdima \@tempdimb
10237 \xdef\footfudgefactor{\strip@pt\@tempdima}%

```



```

10238 \endgroup
10239 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
10240 }
10241 \newcommand{\normalRTLparaLTRfootnotes}{%
10242 \@namedef{foottextfontv@r}{\foottextfont}%
10243 \@bidi@before@Hy@hyperfootnotes
10244 \if@RTL@footnote
10245 \let\@footnotetext\m@mold@footnotetext
10246 \else
10247 \let\@footnotetext\@parafootnotetext
10248 \fi
10249 \let\@LTRfootnotetext\@paraLTRfootnotetext
10250 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
10251 \dimen\footinsv@r=\footinsdim
10252 \count\footinsv@r=1000\relax
10253 \m@make@para@footgroup{v@r}%
10254 \m@make@para@footstart{v@r}%
10255 \let\@footgroupv@r\@para@footgroupv@r
10256 \let\@footstartv@r\@para@footstartv@r
10257 \dimen\footinsv@l=\footinsdim
10258 \count\footinsv@l=1000\relax
10259 \bidi@make@para@LTRfootgroup{v@l}%
10260 \m@make@para@footstart{v@l}%
10261 \bidi@make@para@footstart@{v@l}%
10262 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10263 \let\@footstartv@l\@para@footstartv@l
10264 \let\@footstart@{v@l}\@para@footstart@{v@l}
10265 \if@RTL@footnote
10266 \let\@mpfootnotetext\m@mold@mpfootnotetext
10267 \else
10268 \let\@mpfootnotetext\@mpparafootnotetext
10269 \fi
10270 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10271 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
10272 \@bidi@after@Hy@hyperfootnotes
10273 \m@make@mppara@footgroup{v@r}%
10274 \bidi@make@mppara@LTRfootgroup{v@l}%
10275 \let\mp@footgroupv@r\@mppara@footgroupv@r
10276 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10277 \begingroup
10278 \def\baselinestretch{\m@m@footnote@spacing}%
10279 \foottextfont
10280 \@tempdima\footnotesep
10281 \advance\@tempdima -\ht\strutbox
10282 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10283 \advance\@tempdima.5\normalbaselineskip
10284 \bidi@xparaskip
10285 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10286 \ifdim\skip\footinsv@r>\bigskipamount
10287 \else

```



```

10288     \global\advance\skip\footinsv@r\bidiparaskip
10289     \fi
10290     \ifdim\skip\footinsv@l>\bigskipamount
10291     \else
10292         \global\advance\skip\footinsv@l\bidiparaskip
10293     \fi
10294     \@tempdima\normalbaselineskip
10295     \multiply \@tempdima \cclvi
10296     \@tempdimb \columnwidth
10297     \divide \@tempdimb \cclvi
10298     \divide \@tempdima \@tempdimb
10299     \xdef\footfudgefactor{\strip@pt\@tempdima}%
10300     \endgroup
10301     \@ifstar\bidistar@footmarkwidth\bidinormal@footmarkwidth
10302 }
10303 \let\bidixparaskip\relax
10304 \@onlypreamble\AddExtraParaSkip
10305 \bidiconsure@newcommand{\@parafootnotetext}[1]{\insert
10306     \if@RTL@footnote
10307         \footinsv@r
10308     \else
10309         \footinsv@l
10310     \fi
10311     {%
10312     \let\bidieverypar\@empty%
10313     \def\baselinestretch{\m@mm@footnote@spacing}%
10314     \reset@font\foottextfont
10315     \@preamfntext
10316     \protected@edef\@currentlabel{%
10317         \csname p@footnote\endcsname\@thefnmark}%
10318     \setbox0=\vbox{\hsize=\maxdimen
10319         \color@begingroup
10320         \noindent \@parafootfmt{#1}%
10321         \color@endgroup}%
10322     \m@mungebox}\m@mmf@prepare}
10323 \bidiconsure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
10324     \let\bidieverypar\@empty%
10325     \def\baselinestretch{\m@mm@footnote@spacing}%
10326     \reset@font\LTRfoottextfont
10327     \@preamfntext
10328     \protected@edef\@currentlabel{%
10329         \csname p@footnote\endcsname\@thefnmark}%
10330     \setbox0=\vbox{\hsize=\maxdimen
10331         \color@begingroup
10332         \noindent \@paraLTRfootfmt{#1}%
10333         \color@endgroup}%
10334     \m@mungebox}\m@mmf@prepare}
10335 \bidiconsure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10336     \let\bidieverypar\@empty%
10337     \def\baselinestretch{\m@mm@footnote@spacing}%

```



```

10338 \reset@font\RTLfoottextfont
10339 \@preamfntext
10340 \protected@edef\@currentlabel{%
10341   \csname p@footnote\endcsname\@thefnmark}%
10342 \setbox0=\vbox{\hsize=\maxdimen
10343   \color@begingroup
10344     \noindent \@paraRTLfootfmt{#1}%
10345   \color@endgroup}%
10346 \m@mungebox}\m@mmf@prepare}
10347 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10348   \parindent=\z@
10349   \parfillskip=0pt \@plus 1fil
10350   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10351 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10352   \parindent=\z@
10353   \parfillskip=0pt \@plus 1fil
10354   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10355 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10356   \parindent=\z@
10357   \parfillskip=0pt \@plus 1fil
10358   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10359 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10360   \global\setbox
10361   \if@RTL@footnote
10362     \@mpfootinsv@r
10363   \else
10364     \@mpfootinsv@l
10365   \fi
10366   \vbox{%
10367     \let\bidi@RTL@everypar\@empty%
10368     \def\baselinestretch{\m@m@footnote@spacing}%
10369     \unvbox
10370     \if@RTL@footnote
10371       \@mpfootinsv@r
10372     \else
10373       \@mpfootinsv@l
10374     \fi
10375     \reset@font\foottextfont
10376     \hsize\columnwidth \@parboxrestore
10377     \protected@edef\@currentlabel{%
10378       \csname p@mpfootnote\endcsname\@thefnmark}%
10379     \setbox0=\vbox{\hsize=\maxdimen
10380       \color@begingroup
10381         \noindent \@parafootfmt{#1}%
10382       \color@endgroup}%
10383     \m@mungebox}\m@mmf@prepare}
10384 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10385   \global\setbox\@mpfootinsv@l\vbox{%
10386     \let\bidi@RTL@everypar\@empty%
10387     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

10388 \unvbox\@mpfootinsv@l
10389 \reset@font\LTRfoottextfont
10390 \hsize\columnwidth \@parboxrestore
10391 \protected@edef\@currentlabel{%
10392   \csname p@mpfootnote\endcsname\@thefnmark}%
10393 \setbox0=\vbox{\hsize=\maxdimen
10394   \color@begingroup
10395   \noindent \@paraLTRfootfmt{#1}%
10396   \color@endgroup}%
10397 \m@mungebox}\m@mmf@prepare}
10398 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10399   \global\setbox\@mpfootinsv@r\vbox{%
10400     \let\bidi@RTL@everypar\@empty%
10401     \def\baselinestretch{\m@m@footnote@spacing}%
10402     \unvbox\@mpfootinsv@r
10403     \reset@font\RTLfoottextfont
10404     \hsize\columnwidth \@parboxrestore
10405     \protected@edef\@currentlabel{%
10406       \csname p@mpfootnote\endcsname\@thefnmark}%
10407     \setbox0=\vbox{\hsize=\maxdimen
10408       \color@begingroup
10409       \noindent \@paraRTLfootfmt{#1}%
10410       \color@endgroup}%
10411     \m@mungebox}\m@mmf@prepare}
10412 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10413   \@namedef{@para@footgroup#1}{%
10414     \unvbox\@nameuse{footins#1}
10415     \@RTLtrue
10416     \m@mmakehboxofhboxes
10417     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10418     \@parboxrestore%
10419     \def\baselinestretch{\m@m@footnote@spacing}%
10420     \@nameuse{foottextfont#1}%
10421     \noindent\unhbox0\par}}
10422 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
10423   \@namedef{@para@LTRfootgroup#1}{%
10424     \unvbox\@nameuse{footins#1}
10425     \@RTLfalse
10426     \m@mmakehboxofhboxes
10427     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10428     \@parboxrestore%
10429     \def\baselinestretch{\m@m@footnote@spacing}%
10430     \@nameuse{foottextfont#1}%
10431     \noindent\unhbox0\par}}
10432 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10433   \@namedef{@mppara@footgroup#1}{%
10434     \unvbox\@nameuse{@mpfootins#1}
10435     \@RTLtrue
10436     \m@mmakehboxofhboxes
10437     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%

```





```

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

```



```

10488 \vskip-\@tempdima
10489 \bidi@mopfn@bottom
10490 \vskip \skip\footins
10491 \color@begingroup
10492 \normalcolor
10493 \footnoterule
10494 \unvbox \footins
10495 \color@endgroup
10496 }%
10497 }
10498 \newcommand*{\bidi@mopfootnotebf}{%
10499 \setbox\@outputbox \vbox{%
10500 \boxmaxdepth\@maxdepth
10501 \unvbox\@outputbox
10502 \bidi@mopfn@bottom
10503 \vskip\skip\footins
10504 \color@begingroup
10505 \normalcolor
10506 \footnoterule
10507 \unvbox \footins
10508 \color@endgroup
10509 }%
10510 }
10511 \gdef\mem@makecol{%
10512 \m@m@makecolintro
10513 \ifvoid\footins
10514 \global\@bidi@void@footinstrue
10515 \setbox\@outputbox \box\@cclv
10516 \else
10517 \global\@bidi@void@footinsfalse
10518 \m@mopfootnote
10519 \fi
10520 \m@mdoextrafeet
10521 \m@m@makecolfloats
10522 \m@m@makecoltext
10523 \global \maxdepth \@maxdepth}
10524 \gdef\bidi@makecolbf{%
10525 \m@m@makecolintro
10526 \setbox\@outputbox \box\@cclv
10527 \m@m@makecolfloats
10528 \ifvoid\footins
10529 \global\@bidi@void@footinstrue
10530 \else
10531 \global\@bidi@void@footinsfalse
10532 \bidi@mopfootnotebf
10533 \fi
10534 \m@mdoextrafeet
10535 \m@m@makecoltext
10536 \global \maxdepth \@maxdepth}
10537 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}

```



```

10538 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10539 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10540 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10541 \FeetAboveFloat
10542 \FeetBelowRagged

```

## 56 File extreport-xetex-bidi.def

```

10543 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10544 \renewcommand*\l@part[2]{%
10545   \ifnum \c@tocdepth >-2\relax
10546     \addpenalty{-\@highpenalty}%
10547     \addvspace{2.25em \@plus\p@}%
10548     \begingroup
10549       \setlength\@tempdima{3em}%
10550       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10551       \parfillskip -\@pnumwidth
10552       {\leavevmode
10553         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10554         \nobreak
10555         \global\@nobreaktrue
10556         \everypar{\global\@nobreakfalse\everypar{}}%
10557       \endgroup
10558   \fi}
10559 \renewcommand*\l@chapter[2]{%
10560   \ifnum \c@tocdepth >\m@ne
10561     \addpenalty{-\@highpenalty}%
10562     \vskip 1.0em \@plus\p@
10563     \setlength\@tempdima{1.5em}%
10564     \begingroup
10565       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10566       \parfillskip -\@pnumwidth
10567       \leavevmode \bfseries
10568       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10569       \hskip -\if@RTL\rightskip\else\leftskip\fi
10570       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10571       \penalty\@highpenalty
10572     \endgroup
10573   \fi}
10574 \def\@makechapterhead#1{%
10575   \vspace*{50\p@}%
10576   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10577     \ifnum \c@secnumdepth >\m@ne
10578       \huge\bfseries \@chapapp\space \thechapter
10579       \par\nobreak
10580       \vskip 20\p@
10581     \fi
10582     \interlinepenalty\@M
10583     \Huge \bfseries #1\par\nobreak
10584     \vskip 40\p@

```



```

10585 }}
10586 \def\@makeschapterhead#1{%
10587   \vspace*{50\p@}%
10588   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10589     \normalfont
10590     \interlinepenalty\@M
10591     \Huge \bfseries #1\par\nobreak
10592     \vskip 40\p@
10593   }}
10594 \renewcommand\left@footnoterule{%
10595   \kern-3\p@
10596   \hrule\@width.4\columnwidth
10597   \kern2.6\p@}
10598 \renewcommand\right@footnoterule{%
10599   \kern-3\p@
10600   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10601   \kern2.6\p@}
10602 \renewenvironment{thebibliography}[1]
10603   {\chapter*{\bibname
10604     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10605     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10606     \bidi@thebibliography@font@hook%
10607     \list{\@biblabel{\@arabic\c@enumiv}}%
10608       {\settowidth\labelwidth{\@biblabel{#1}}%
10609        \leftmargin\labelwidth
10610        \advance\leftmargin\labelsep
10611        \@openbib@code
10612        \usecounter{enumiv}%
10613        \let\p@enumiv\@empty
10614        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10615     \sloppy\clubpenalty4000\widowpenalty4000%
10616     \sfcode`\.\@m}
10617   {\def\@noitemerr
10618     {\@latex@warning{Empty `thebibliography' environment}}%
10619     \endlist}
10620 \if@titlepage
10621 \renewcommand\maketitle{\begin{titlepage}%
10622 \let\footnotesize\small
10623 \let\right@footnoterule\relax
10624 \let\left@footnoterule\relax
10625 \let\textwidth\footnoterule\relax
10626 \let \footnote \thanks
10627 \null\vfil
10628 \vskip 60\p@
10629 \begin{center}%
10630   {\LARGE \@title \par}%
10631   \vskip 3em%
10632   {\large
10633     \lineskip .75em%
10634     \begin{tabular}[t]{c}%

```



```

10635         \@author
10636     \end{tabular}\par}%
10637     \vskip 1.5em%
10638     {\large \@date \par}%           % Set date in \large size.
10639 \end{center}\par
10640 \@thanks
10641 \vfil\null
10642 \end{titlepage}%
10643 \setcounter{footnote}{0}%
10644 \global\let\thanks\relax
10645 \global\let\maketitle\relax
10646 \global\let\@thanks\@empty
10647 \global\let\@author\@empty
10648 \global\let\@date\@empty
10649 \global\let\@title\@empty
10650 \global\let\title\relax
10651 \global\let\author\relax
10652 \global\let\date\relax
10653 \global\let\and\relax
10654 }
10655 \else
10656 \renewcommand\maketitle{\par
10657 \begingroup
10658     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10659     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10660     \long\def\@makefntext##1{\parindent 1em\noindent
10661         \hb@xt@1.8em{%
10662             \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10663     \if@twocolumn
10664         \ifnum \col@number=\@ne
10665             \@maketitle
10666         \else
10667             \twocolumn[\@maketitle]%
10668         \fi
10669     \else
10670         \newpage
10671         \global\@topnum\z@    % Prevents figures from going at top of page.
10672         \@maketitle
10673     \fi
10674     \thispagestyle{plain}\@thanks
10675 \endgroup
10676 \setcounter{footnote}{0}%
10677 \global\let\thanks\relax
10678 \global\let\maketitle\relax
10679 \global\let\@maketitle\relax
10680 \global\let\@thanks\@empty
10681 \global\let\@author\@empty
10682 \global\let\@date\@empty
10683 \global\let\@title\@empty
10684 \global\let\title\relax

```



```

10685 \global\let\author\relax
10686 \global\let\date\relax
10687 \global\let\and\relax
10688 }
10689 \def\@maketitle{%
10690 \newpage
10691 \null
10692 \vskip 2em%
10693 \begin{center}%
10694 \let \footnote \thanks
10695 {\LARGE \@title \par}%
10696 \vskip 1.5em%
10697 {\large
10698 \lineskip .5em%
10699 \begin{tabular}[t]{c}%
10700 \@author
10701 \end{tabular}\par}%
10702 \vskip 1em%
10703 {\large \@date}%
10704 \end{center}%
10705 \par
10706 \vskip 1.5em}
10707 \fi
10708 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10709 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10710 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10711 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10712 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10713 \renewcommand\theequation{%
10714 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10715 \renewcommand\thefigure{%
10716 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10717 \renewcommand\thetable{%
10718 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

## 57 File fancybox-xetex-bidi.def

```

10719 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10720 \def\fancy@oval#1#2#3{%
10721 \boxmaxdepth \maxdimen
10722 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10723 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10724 \@ovxx#1\relax
10725 \advance\@ovxx-\@wholewidth
10726 \@ovyy#2\relax
10727 \advance\@ovyy-\@wholewidth
10728 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \else \@ovyy \fi
10729 \advance\@tempdimb-2\p@
10730 \ifdim\@tempdimb>\the@cornersize\relax
10731 \@tempdimb=\the@cornersize

```



```

10732 \fi
10733 \@getcirc\@tempdimb
10734 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10735 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10736 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10737 \@circlefnt
10738 \setbox\@tempboxa\hbox{\beginL%
10739   \if@ovr \@ovvert32\kern -\@tempdima \fi
10740   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10741   \if@ovt \@ovhorz \kern -\@ovxx \fi
10742   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10743 \advance\@ovdx\@ovro
10744 \advance\@ovdy\@ovro
10745 \advance\@ovxx\@wholewidth
10746 \wd\@tempboxa=\@ovxx
10747 \dp\@tempboxa=\z@}

```

## 58 File fancyhdr-xetex-bidi.def

```

10748 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10749
10750 \let\f@nch@everypar\everypar
10751
10752 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10753   \f@nch@vbox\headheight{\hbox
10754     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10755       \parbox[b]{\headwidth}{\centering#3}\hfill
10756       \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10757
10758 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10759   \f@nch@vbox\footskip{\footrule
10760     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10761       \parbox[t]{\headwidth}{\centering#3}\hfill
10762       \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}#5}
10763

```

## 59 File fix2col-xetex-bidi.def

```

10764 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10765 \def\RTL@outputdblcol{%
10766   \if@firstcolumn
10767     \global\@firstcolumnfalse
10768     \global\setbox\@leftcolumn\copy\@outputbox
10769     \splitmaxdepth\maxdimen
10770     \vbadness\maxdimen
10771     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10772     \toks@{\expandafter{\topmark}}%
10773     \xdef\@firstcoltopmark{\the\toks@}%
10774     \toks@\expandafter{\splitfirstmark}%
10775     \xdef\@firstcolfirstmark{\the\toks@}%

```



```

10776 \ifx\@firstcolfirstmark\@empty
10777 \global\let\@setmarks\relax
10778 \else
10779 \gdef\@setmarks{%
10780 \let\firstmark\@firstcolfirstmark
10781 \let\topmark\@firstcoltopmark}%
10782 \fi
10783 \else \global\@firstcolumntrue
10784 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10785 \hskip \columnwidth
10786 \hfil \vrule width\columnseprule \hfil
10787 \hbox to\columnwidth {%
10788 \bidi@firstcolumn@status@write%
10789 \box\@leftcolumn \hss}%
10790 \hskip -\textwidth
10791 \hbox to\columnwidth{%
10792 \bidi@lastcolumn@status@write%
10793 \box\@outputbox \hss}%
10794 \hskip \columnsep
10795 \hskip \columnwidth }}%
10796 \combinedblfloats \@setmarks \@outputpage
10797 \begingroup \@dblfloatplacement \@startdblcolumn
10798 \@whilesw\if@colmade \fi
10799 {\@outputpage \@startdblcolumn }\endgroup
10800 \fi}
10801 \def\LTR@outputdblcol{%
10802 \if@firstcolumn
10803 \global\@firstcolumnfalse
10804 \global\setbox\@leftcolumn\copy\@outputbox
10805 \splitmaxdepth\maxdimen
10806 \vbadness\maxdimen
10807 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10808 \toks@{\expandafter{\topmark}}%
10809 \xdef\@firstcoltopmark{\the\toks@}%
10810 \toks@{\expandafter{\splitfirstmark}}%
10811 \xdef\@firstcolfirstmark{\the\toks@}%
10812 \ifx\@firstcolfirstmark\@empty
10813 \global\let\@setmarks\relax
10814 \else
10815 \gdef\@setmarks{%
10816 \let\firstmark\@firstcolfirstmark
10817 \let\topmark\@firstcoltopmark}%
10818 \fi
10819 \else
10820 \global\@firstcolumntrue
10821 \setbox\@outputbox\vbox{%
10822 \hb@xt@\textwidth{%
10823 \hb@xt@\columnwidth{%
10824 \bidi@firstcolumn@status@write%
10825 \box\@leftcolumn \hss}%

```





```

10826      \hfil
10827      \vrule \width\columnseprule
10828      \hfil
10829      \hb@xt@\columnwidth{%
10830      \bidi@lastcolumn@status@write%
10831      \box\@outputbox \hss}}}%
10832 \combinedblfloats
10833   \setmarks
10834   \outputpage
10835   \begingroup
10836     \dblfloatplacement
10837     \startdblcolumn
10838     \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10839   \endgroup
10840 \fi}

```

## 60 File fleqn-xetex-bidi.def

```

10841 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10842 \renewcommand\relax
10843     \ifmmode\@badmath
10844     \else
10845         \begin{trivlist}%
10846             \@beginparpenalty\predisplaypenalty
10847             \@endparpenalty\postdisplaypenalty
10848             \item[]\leavevmode
10849             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10850             \hskip\mathindent\bgroup
10851         \fi}
10852 \renewcommand\relax
10853     \ifmmode
10854         \egroup $\hfil% $
10855     \endL\egroup
10856     \end{trivlist}%
10857     \else \@badmath
10858     \fi}
10859 \renewenvironment{equation}%
10860     {\@beginparpenalty\predisplaypenalty
10861     \@endparpenalty\postdisplaypenalty
10862     \refstepcounter{equation}%
10863     \trivlist \item[]\leavevmode
10864     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10865     \displaystyle
10866     \hskip\mathindent}%
10867     {$\hfil % $
10868     \displaywidth\linewidth\hbox{\@eqnnum}%
10869     \endL\egroup
10870     \endtrivlist}

```



## 61 File float-xetex-bidi.def

```
10871 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeLaTeX]
10872 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10873 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10874 \else\hbox to\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}\fi}
10875 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10876 \expandafter\edef\csname the#1\endcsname{%
10877 \expandafter\noexpand\csname
10878 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10879 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}
```

## 62 File floatrow-xetex-bidi.def

```
10880 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeLaTeX]
10881 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10882 \expandafter\edef\csname the\FB@captype\endcsname{%
10883 \expandafter\noexpand\csname
10884 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}
```

## 63 File flowfram-xetex-bidi.def

```
10885 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package for XeLaTeX]
10886 \def\@outputdblcol{%
10887 \c@nxtcol=\c@thisframe
10888 \c@curpg=\c@page
10889 \c@tnextcol\@nxtcol}%
10890 \ifff@nwpg % next flow frame starts on new page
10891 \global\@firstcolumntrue
10892 \setcolbox\c@thisframe
10893 \if@specialpage
10894 \global\@specialpagefalse
10895 \nameuse{ps@\@specialstyle}\relax
10896 \fi
10897 \if@twoside
10898 \ifodd\count\z@
10899 \let\@thehead\@oddhead
10900 \let\@thefoot\@oddfoot
10901 \else
10902 \let\@thehead\@evenhead
10903 \let\@thefoot\@evenfoot
10904 \fi
10905 \else
10906 \let\@thehead\@oddhead
10907 \let\@thefoot\@oddfoot
10908 \fi
10909 \c@beginv
10910 \c@dodynamicthehead\c@dodynamicthefoot
10911 \vbadness=\c@M
10912 \setbox\@outputbox\box{\hbox to \textwidth{\@ff@do@allframes}}%
```



```

10913 \@combinedblfloats
10914 \@outputpage
10915 \advance\c@curpg by -\c@page\relax
10916 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10917 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
10918 \@outputpage}
10919 \begingroup
10920 \dblfloatplacement
10921 \@startdblcolumn
10922 \@whilesw \if@fcolmade \fi
10923 {\@outputpage \@startdblcolumn }\endgroup
10924 \@resetst@tics
10925 \@resetdyn@mics
10926 \else % still on same page, save contents of box255
10927 \global\@firstcolumnfalse
10928 \@setcolbox\c@thisframe
10929 \fi
10930 \global\c@thisframe=\@nxtcol
10931 \@setcol{\c@thisframe}\relax
10932 \global\@colht\vsiz
10933 }
10934 \def\@outputpage{%
10935 \begingroup
10936 \let\protect\noexpand
10937 \@resetactivechars
10938 \global\let\@if@newlist@if@newlist
10939 \global\@newlistfalse\@parboxrestore
10940 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
10941 \bidi@beforeoutputpageshipouthook
10942 \shipout\vbox{\set@typeset@protect
10943 \aftergroup
10944 \endgroup
10945 \aftergroup
10946 \set@typeset@protect
10947 \reset@font\normalsize
10948 \bidi@font@\@outputpage
10949 \normalsfcodes
10950 \let\label\@gobble
10951 \let\index\@gobble
10952 \let\glossary\@gobble
10953 \baselineskip\z@skip
10954 \lineskip\z@skip
10955 \lineskiplimit\z@
10956 \vskip\topmargin\moveright\@themargin
10957 \vbox{%
10958 \global\let\@bidi@BeforeHeader\@firstofone
10959 \bidi@beforeheaderhook
10960 \vskip\headheight
10961 \vskip\headsep
10962 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone

```



```

10963 \bidi@beforeoutputboxoutputpagehook
10964 \box\@outputbox
10965 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
10966 \bidi@afteroutputboxoutputpagehook
10967 }}%
10968 \global\let\bidi@AfterOutputPageShipOut\@firstofone
10969 \bidi@afteroutputpageshipouthook
10970 \global\let\if@newlist\@if@newlist
10971 \stepcounter{page}%
10972 \setcounter{displayedframe}{0}%
10973 \let\firstmark\botmark
10974 \global\let\bidi@AtEndOutputPage\@firstofone
10975 \bidi@atendoutputpagehook
10976 }
10977
10978
10979 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
10980 \expandafter\bidicolor\ff@txtcol}}
10981
10982 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10983 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
10984
10985
10986 \renewcommand*{\@docolbox}[1]{%
10987 \edef\ff@frametype{%
10988 \csname @ff@frametype@\romannumeral#1\endcsname}%
10989 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10990 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10991 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10992 \@ff@setoffset{#1}%
10993 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10994 \ifthenelse{\boolean{columnframe}\romannumeral#1}{%
10995 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10996 {\csname colheight\romannumeral#1\endcsname}{%
10997 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10998 \csname\ff@frametype\endcsname}%
10999 }{%
11000 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
11001 {\csname colheight\romannumeral#1\endcsname}{%
11002 \expandafter\box\csname column\romannumeral#1\endcsname}%
11003 }}}
11004 \@ifclassloaded{book}{%
11005 \renewcommand\theequation
11006 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11007 \renewcommand \thefigure
11008 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11009 \renewcommand \thetable
11010 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11011 \renewcommand \thechapter {\@arabic\c@chapter}
11012 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}

```



```

11013 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
11014 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11015 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11016 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11017 \@ifclassloaded{report}{%
11018 \renewcommand\theequation
11019 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11020 \renewcommand \thefigure
11021 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11022 \renewcommand \thetable
11023 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11024 \renewcommand \thechapter {\@arabic\c@chapter}
11025 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11026 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsubsection}
11027 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11028 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11029 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11030 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11031 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
11032 \else
11033 #2\relax
11034 \fi}

```

## 64 File footnote-xetex-bidi.def

```

11035 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11036 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11037 \newif\ifbidi@autofooterule
11038 \def\bidi@mpfootnoterule{\footnoterule}
11039 \newcounter{footdir@label}
11040 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
11041 \newcommand*{\footdir@write}{%
11042 \stepcounter{footdir@label}%
11043 \zref@labelbyprops{\thefootdir@label}{abspage}%
11044 }
11045 \newif\iffootdir@debug
11046 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11047 \newtoks\footdir@toks
11048 \newcommand*{\footdir@debug}[1]{%
11049 \iffootdir@debug
11050 \typeout{[footdir] #1}%
11051 \fi
11052 }
11053 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11054 % \newcommand*{\footdir@LeftRightElse}{%
11055 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
11056 % \footdir@debug{abspage \the\value{zabspage}: else}%
11057 % \ltx@thirdofthree
11058 % }{%
11059 % \if\csname footdir@the\value{zabspage}\endcsname L%

```



```

11060 %      \footdir@debug{abspage \the\value{zabspage}: left}%
11061 %      \expandafter\ltx@firstofthree
11062 %      \else
11063 %      \footdir@debug{abspage \the\value{zabspage}: right}%
11064 %      \expandafter\ltx@secondofthree
11065 %      \fi
11066 %    }%
11067 %  }%
11068 %}{%
11069 \providecommand*{\c@zabspage}{\c@abspage}%
11070 \newcommand*{\footdir@LeftRightElse}{%
11071   \footdir@write
11072   \zifrefundefined{\thefootdir@label}{%
11073     \footdir@debug{abspage ??: else}%
11074     \ltx@thirdofthree
11075   }{%
11076     \edef\footdir@abspage{%
11077       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11078     }%
11079     \ltx@ifundefined{footdir@\footdir@abspage}{%
11080       \footdir@debug{\footdir@abspage: else}%
11081       \ltx@thirdofthree
11082     }{%
11083       \if\csname footdir@\footdir@abspage\endcsname L%
11084         \footdir@debug{\footdir@abspage: left}%
11085         \expandafter\ltx@firstofthree
11086       \else
11087         \footdir@debug{\footdir@abspage: right}%
11088         \expandafter\ltx@secondofthree
11089       \fi
11090     }%
11091   }%
11092 }%
11093 %}
11094 \newcommand*{\footdir@fntext}[1]{%
11095   \zifrefundefined{\thefootdir@label}{%
11096     }{%
11097       \edef\footdir@name{%
11098         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11099       }%
11100       \@ifundefined{\footdir@name}{%
11101         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11102       }{%
11103       }%
11104     }%
11105   }
11106 \newcommand*{\footdir@temp}[3]{%
11107   \@ifdefinable{#1}{%
11108     \let#1#2%
11109     \renewcommand{#2}[1]{%

```



```

11110 \footdir@write
11111 \footdir@fntext{#3}%
11112 \stepcounter{footdir@label}%
11113 \footdir@fntext{#3}%
11114 \footdir@toks{##1}%
11115 \footdir@toks\expandafter{%
11116 \the\expandafter\footdir@toks
11117 \expandafter
11118 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
11119 }%
11120 \expandafter#1\expandafter{\the\footdir@toks}%
11121 }%
11122 }%
11123 }
11124
11125 \def\right@footnoterule{%
11126 \kern-3\p@
11127 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11128 \kern2.6\p@}
11129 \def\left@footnoterule{\kern-3\p@
11130 \hrule \@width .4\columnwidth \kern 2.6\p@}
11131 \def\textwidth@footnoterule{\kern-3\p@
11132 \hrule \@width \columnwidth \kern 2.6\p@}
11133 \def\leftfootnoterule{%
11134 \bidi@autofootnoterulefalse%
11135 \def\footnoterule{\left@footnoterule}}
11136 \let\LRfootnoterule=\leftfootnoterule
11137 \def\rightfootnoterule{%
11138 \bidi@autofootnoterulefalse%
11139 \def\footnoterule{\right@footnoterule}}
11140 \def\textwidthfootnoterule{%
11141 \bidi@autofootnoterulefalse%
11142 \def\footnoterule{\textwidth@footnoterule}}
11143
11144
11145
11146 \def\auto@footnoterule{%
11147 \footdir@LeftRightElse%
11148 \left@footnoterule%
11149 \right@footnoterule%
11150 \left@footnoterule%
11151 }
11152
11153
11154
11155 \def\autofootnoterule{%
11156 \bidi@autofootnoteruletrue%
11157 \def\footnoterule{\auto@footnoterule}%
11158 }
11159

```



```

11160 \newcommand*{\SplitFootnoteRule}{%
11161   \gdef\split@prev{0}
11162   \let\pagefootnoterule\footnoterule
11163   \let\mpfootnoterule\footnoterule
11164   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11165   \def\footnoterule{\relax
11166     \ifx \@listdepth\@mplistdepth
11167       \mpfootnoterule
11168     \else
11169       \ifnum\split@prev=\z@
11170         \pagefootnoterule
11171       \else
11172         \splitfootnoterule
11173       \fi
11174       \xdef\split@prev{\the\insertpenalties}%
11175     \fi
11176   }%
11177 }
11178
11179
11180
11181
11182 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11183   \protected@xdef\@thefnmark{\thempfn}%
11184   \@footnotemark\@RTLfootnotetext}}
11185 \def\@xRTLfootnote[#1]{%
11186   \begingroup
11187     \csname c@\@mpfn\endcsname #1\relax
11188     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11189   \endgroup
11190   \@footnotemark\@RTLfootnotetext}
11191 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11192   \protected@xdef\@thefnmark{\thempfn}%
11193   \@footnotemark\@LTRfootnotetext}}
11194 \def\@xLTRfootnote[#1]{%
11195   \begingroup
11196     \csname c@\@mpfn\endcsname #1\relax
11197     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11198   \endgroup
11199   \@footnotemark\@LTRfootnotetext}
11200
11201
11202 \def\setfootnoteRL{\@RTL@footnotetrue}
11203 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11204 \def\setfootnoteLR{\unsetfootnoteRL}
11205
11206 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11207 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11208 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11209

```





```

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

```



```

11260 \if@RTL@footnote
11261   \newcommand*{\bidi@footdir@footnote}{R}
11262 \else
11263   \newcommand*{\bidi@footdir@footnote}{L}
11264 \fi%
11265 }
11266
11267 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11268 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11269 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11270
11271 \long\def\@mpRTLfootnotetext#1{%
11272   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
11273   \global\setbox\@mpfootins\vbox{\@RTLtrue%
11274     \unvbox\@mpfootins
11275     \reset@font%
11276     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11277     \hsize\columnwidth
11278     \@parboxrestore
11279     \protected@edef\@currentlabel
11280       {\csname p@mpfootnote\endcsname\@thefnmark}%
11281     \color@begingroup
11282     \@makefntext{%
11283       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11284     \color@endgroup}}
11285 \long\def\@mpLTRfootnotetext#1{%
11286   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
11287   \global\setbox\@mpfootins\vbox{\@RTLfalse%
11288     \unvbox\@mpfootins
11289     \reset@font%
11290     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11291     \hsize\columnwidth
11292     \@parboxrestore
11293     \protected@edef\@currentlabel
11294       {\csname p@mpfootnote\endcsname\@thefnmark}%
11295     \color@begingroup
11296     \@makefntext{%
11297       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11298     \color@endgroup}}
11299 \long\def\@mpfootnotetext#1{%
11300   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule%
11301   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11302     \unvbox\@mpfootins
11303     \reset@font%
11304     \bidi@footnotetext@font% \reset@font\footnotesize
11305     \hsize\columnwidth
11306     \@parboxrestore
11307     \protected@edef\@currentlabel
11308       {\csname p@mpfootnote\endcsname\@thefnmark}%
11309     \color@begingroup

```



```

11310      \@makefnintext{%
11311          \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11312      \color@endgroup}}
11313 \def\@iiiminipage#1#2[#3]#4{%
11314     \leavevmode
11315     \@pboxswfalse
11316     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11317     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11318     \setlength\@tempdima{#4}%
11319     \def\@mpargs{{#1}{#2}[#3]{#4}}%
11320     \setbox\@tempboxa\vbox\bgroup
11321         \color@begingroup
11322         \hsize\@tempdima
11323         \textwidth\hsize \columnwidth\hsize
11324         \@parboxrestore
11325         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11326         \let\@footnotetext\@mpfootnotetext
11327         \let\@LTRfootnotetext\@mpLTRfootnotetext
11328         \let\@RTLfootnotetext\@mpRTLfootnotetext
11329         \let\@listdepth\@mplistdepth \@mplistdepth\z@
11330         \@minipagerestore
11331         \@setminipage}
11332 \def\endminipage{%
11333     \par
11334     \unskip
11335     \ifvoid\@mpfootins\else
11336         \vskip\skip\@mpfootins
11337         \normalcolor
11338         \bidi@mpfootnoterule
11339         \unvbox\@mpfootins
11340     \fi
11341     \@minipagefalse    %% added 24 May 89
11342 \color@endgroup
11343 \egroup
11344 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11345 \def\LTRthanks#1{\footnotemark
11346     \protected@xdef\@thanks{\@thanks
11347         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11348 }
11349 \def\LTRfootnotetext{%
11350     \@ifnextchar [\@xLTRfootnotenext
11351     {\protected@xdef\@thefnmark{\thempfn}%
11352     \@LTRfootnotetext}}
11353 \def\@xLTRfootnotenext[#1]{%
11354     \begingroup
11355         \csname c@\@mpfn\endcsname #1\relax
11356         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11357     \endgroup
11358     \@LTRfootnotetext}
11359 \def\RTLthanks#1{\footnotemark

```



```

11360 \protected@xdef\@thanks{\@thanks
11361 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11362 }
11363 \let\@thanks\@empty
11364 \def\RTLfootnotetext{%
11365 \ifnextchar [\@xRTLfootnotenext
11366 {\protected@xdef\@thefnmark{\thempfn}%
11367 \@RTLfootnotetext}}
11368 \def\@xRTLfootnotenext[#1]{%
11369 \begingroup
11370 \csname c@\mpfn\endcsname #1\relax
11371 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11372 \endgroup
11373 \@RTLfootnotetext}
11374 \leftfootnoterule

```

## 65 File framed-xetex-bidi.def

```

11375 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for Xe
11376 \renewcommand\TitleBarFrame[3][\begingroup
11377 \ifx\delimiter#1\delimiter
11378 \let\TF@conlab\@empty
11379 \else
11380 \def\TF@conlab{% continuation label
11381 \nointerlineskip
11382 \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
11383 \fi
11384 %\let\TF@savecolor\current@color
11385 \textcolor{TFFrameColor}{%
11386 \CustomFBox
11387 {\TF@Title{#2}}{\TF@conlab}}%
11388 \fbboxrule\fbboxrule\fbboxrule\fbboxrule
11389 %{\let\current@color\TF@savecolor\set@color #3}%
11390 {\normalcolor #3}%
11391 }\endgroup
11392 }
11393 \renewenvironment{titled-frame}[1]{%
11394 \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
11395 \TitleBarFrame{\textbf{#1}}}%
11396 \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
11397 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11398 \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
11399 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (cont)}%
11400 \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
11401 \TitleBarFrame{\textbf{#1} (cont)}}}%
11402 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11403 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11404 % could interfere with the width measurement.
11405 {\endMakeFramed}
11406 \chardef\FrameRestore=\catcode`\| % for debug

```



```

11407 \catcode\|= \catcode\% % (debug: insert space after backslash)
11408 \def\fb@put@frame#1#2{\relax
11409 \ifdim\pagegoal=\maxdimen \pagegoal\vsizel\fi
11410 | \message{===== Entering putframe =====^~J
11411 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11412 \ifinner
11413 \fb@putboxa#1%
11414 \fb@afterframe
11415 \else
11416 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11417 \ifdim\dimen@<2\baselineskip % Too little room on page
11418 | \message{Page has only \the\dimen@space room left; eject. }%
11419 \eject \fb@adjheight \fb@put@frame#1#2%
11420 \else % there's appreciable room left on the page
11421 \fb@sizeofframe#1%
11422 | \message{\string\pagetotal=\the\pagetotal,
11423 | \string\pagegoal=\the\pagegoal,
11424 | \string\pagestretch=\the\pagestretch,
11425 | \string\pageshrink=\the\pageshrink,
11426 | \string\fb@frh=\the\fb@frh. \space}
11427 | \message{^^JBox of size \the\ht\@tempboxa\space}%
11428 \begingroup % temporarily set \dimen@ to be...
11429 \advance\dimen@.8\pageshrink % maximum space available on page
11430 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11431 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11432 \expandafter\endgroup
11433 % expand \ifdim, then restore \dimen@ to real room left on page
11434 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11435 | \message{fits in \the\dimen@. }%
11436 % ToDo: Change this to use vsplit anyway to capture the marks
11437 % MERGE THIS WITH THE else CLAUSE!!!
11438 \fb@putboxa#1%
11439 \fb@afterframe
11440 \else % box must be split
11441 | \message{must be split to fit in \the\dimen@. }%
11442 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11443 \fb@sizeofframe#2%
11444 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11445 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11446 \kern137sp\kern-137sp\penalty-30
11447 \unvbox\@tempboxa}%
11448 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11449 \splittopskip\the\splittopskip}%
11450 \boxmaxdepth\z@ \splittopskip\z@
11451 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11452 % Split box here
11453 \setbox\tw@\vsplit\@tempboxa to\dimen@
11454 | \toks99\expandafter{\splitfirstmark}%
11455 | \toks98\expandafter{\splitbotmark}%
11456 | \message{Marks are: \the\toks99, \the\toks98. }%

```



```

11457 \setbox\tw@vbox{\unvbox\tw@}% natural-sized
11458 \message{Natural height of split box is \the\ht\tw@, leaving
11459 \the\ht\@tempboxa\space remainder. }%
11460 % If the split-to size > (\vsize-\topskip), then set box to full size.
11461 \begingroup
11462 \advance\dimen@ \topskip
11463 \expandafter\endgroup
11464 \ifdim\dimen@>\pagegoal
11465 \message{Frame is big -- Use up the full column. }%
11466 \dimen@ii\pagegoal
11467 \advance\dimen@ii -\topskip
11468 \advance\dimen@ii \FrameHeightAdjust\relax
11469 \else % suspect this is implemented incorrectly:
11470 % If the split-to size > feasible room_on_page, rebox it smaller.
11471 \advance\dimen@.8\pageshrink
11472 \ifdim\ht\tw@>\dimen@
11473 \message{Box too tall; rebox it to \the\dimen@. }%
11474 \dimen@ii\dimen@
11475 \else % use natural size
11476 \dimen@ii\ht\tw@
11477 \fi
11478 \fi
11479 % Re-box contents to desired size \dimen@ii
11480 \advance\dimen@ii -\fb@frh
11481 \setbox\tw@vbox to\dimen@ii \bgroup
11482 % remove simulated frame and page flexibility:
11483 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11484 \unvbox\tw@ \unpenalty\unpenalty
11485 \ifdim\lastkern=-137sp % whole box went to next page
11486 \message{box split at beginning! }%
11487 % need work here???
11488 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11489 \fb@adjheight
11490 \fb@put@frame#1#2% INSERTED ???
11491 \else % Got material split off at the head
11492 \egroup \fb@resto@set
11493 \ifvoid\@tempboxa % it all fit after all
11494 \message{box split at end! }%
11495 \setbox\@tempboxa\box\tw@
11496 \fb@putboxa#1%
11497 \fb@afterframe
11498 \else % it really did split
11499 \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11500 \ifdim\wd\tw@>\z@
11501 \wd\tw@\wd\@tempboxa
11502 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11503 \else
11504 \message{Zero width means likely blank. Don't frame it (guess)}%
11505 \box\tw@
11506 \fi

```



```

11507             \hrule \@height\z@ \@width\hsize
11508             \eject
11509             \fb@adjheight
11510             \fb@put@frame\LastFrameCommand\MidFrameCommand
11511 \fi\fi\fi\fi\fi
11512 }
11513 \def\fb@putboxa#1{%
11514 \ifvoid\@tempboxa
11515 \PackageWarning{framed}{Boxa is void -- discard it. }%
11516 \else
11517 | \message{Frame and place boxa. }%
11518 | %{ \showoutput\showbox\@tempboxa}%
11519 \centerline{#1\hboxL{\box\@tempboxa}}}%
11520 \fi
11521 }
11522 \catcode`\|=\FrameRestore
11523 \def\FrameRestore{%
11524 \let\if@nobreak\iffalse
11525 \let\if@noskipsec\iffalse
11526 \let\-\@dischph
11527 \let'\@acci\let\`@accii\let\=\@acciii
11528 % \message{FrameRestore:
11529 % \totalleftmargin=\the \totalleftmargin,
11530 % \rightmargin=\the\rightmargin,
11531 % \listdepth=\the\listdepth. }%
11532 % Test if we are in a list (or list-like paragraph)
11533 \ifnum \ifdim\totalleftmargin>\z@ 1\fi
11534 \ifdim\rightmargin>\z@ 1\fi
11535 \ifnum\listdepth>\z@ 1\fi 0>\z@
11536 % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\totalleftmargin,
11537 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11538 % \labelwidth=\the\labelwidth. }%
11539 \@setminipage % snug fit around the item
11540 % Now try to propagate changes of width from \hsize to list parameters.
11541 % This is deficient, but a more advanced way to indicate modification to text
11542 % dimensions is not (yet) provided; in particular, no separate left/right
11543 % adjustment.
11544 \advance\linewidth-\columnwidth \advance\linewidth\hsize
11545 \parshape\@ne \@totalleftmargin \linewidth
11546 \else % Not in list
11547 \linewidth=\hsize
11548 %\message{No list, set \string\linewidth=\the\hsize. }%
11549 \fi
11550 \sloppy
11551 }

```

## 66 File ftnright-xetex-bidi.def

```

11552 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
11553

```



```

11554 \def\prepare@bidi@copyins{%
11555   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
11556   \global\skip\@bidi@copyins@\z@
11557   \global\count\@bidi@copyins@\z@
11558   \global\dimen\@bidi@copyins@\textheight}
11559
11560 \newskip\bidi@rcol@copyinsskip
11561
11562 \def\LTR@outputdblcol{%
11563   \if@firstcolumn
11564     \global\@firstcolumnfalse
11565     \global\setbox\@leftcolumn\copy\@outputbox
11566     \global\count\footins\@m
11567     \global\skip\footins\rcol@footinsskip
11568     \global\count\@bidi@copyins@\@m
11569     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
11570     \splitmaxdepth\maxdimen
11571     \vbadness\maxdimen
11572     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11573     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11574     \toks@\expandafter{\topmark}%
11575     \xdef\@firstcoltopmark{\the\toks@}%
11576     \toks@\expandafter{\splitfirstmark}%
11577     \xdef\@firstcolfirstmark{\the\toks@}%
11578     \ifx\@firstcolfirstmark\@empty
11579       \global\let\@setmarks\relax
11580     \else
11581       \gdef\@setmarks{%
11582         \let\firstmark\@firstcolfirstmark
11583         \let\topmark\@firstcoltopmark}%
11584     \fi
11585   \else
11586     \preparefootins
11587     \prepare@bidi@copyins
11588     \global\@firstcolumntrue
11589     \setbox\@outputbox\vbox{%
11590       \hb@xt@\textwidth{%
11591         \hb@xt@\columnwidth{%
11592           \bidi@firstcolumn@status@write%
11593           \box\@leftcolumn \hss}%
11594         \hfil
11595         {\normalcolor\vrule \@width\columnseprule}%
11596         \hfil
11597         \hb@xt@\columnwidth{%
11598           \bidi@lastcolumn@status@write%
11599           \box\@outputbox \hss}}}%
11600   \@combinedblfloats
11601   \@setmarks
11602   \@outputpage
11603   \begingroup

```





```

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

```



```

11654 \setmarks
11655 \@outputpage
11656 \beginingroup
11657 \@dblfloatplacement
11658 \@startdblcolumn
11659 \@whiles\if@fcolmade \fi{\@outputpage
11660 \@startdblcolumn}%
11661 \endgroup
11662 \fi}%
11663
11664 \def\@startcolumn{%
11665 \ifx\@deferlist\@empty
11666 \global\@fcolmadefalse
11667 \global\@colroom\@colht
11668 \else
11669 \ifvoid\footins\else
11670 \ftn@amount\ht\footins
11671 \advance\ftn@amount\dp\footins
11672 \advance\ftn@amount\skip\footins
11673 \fi
11674 \ifvoid\@bidi@copyins\else
11675 \bidi@copyins@amount\ht\@bidi@copyins@
11676 \advance\bidi@copyins@amount\dp\@bidi@copyins@
11677 \advance\bidi@copyins@amount\skip\@bidi@copyins@
11678 \fi
11679 \global\advance\@colht-\ftn@amount
11680 \global\advance\@colht-\bidi@copyins@amount
11681 \global\@colroom\@colht
11682 \@xstartcol
11683 \global\advance\@colht\ftn@amount
11684 \global\advance\@colroom\ftn@amount
11685 \global\advance\@colht\bidi@copyins@amount
11686 \global\advance\@colroom\bidi@copyins@amount
11687 \fi
11688 \if@fcolmade
11689 \setbox\@cclv\box\@outputbox
11690 \@makecol
11691 \else
11692 \ifvoid\footins\else
11693 \insert\footins{\unvbox\footins}\fi
11694 \ifvoid\@bidi@copyins\else
11695 \insert\@bidi@copyins{\unvbox\@bidi@copyins}\fi
11696 \fi}
11697
11698 \newdimen\bidi@copyins@amount
11699
11700 \def\@makecol{\if@firstcolumn
11701 \setbox\@outputbox\box\@cclv
11702 \if@twocolumn \else
11703 \ifvoid\footins \else

```



```

11704     \@latexerr{ftnright package
11705         used in one-column mode}%
11706 {The ftnright package was designed to
11707     work with LaTeX's standard^^Jtwocolumn
11708     option. It does *not* work with the
11709     multicol package.^^JSo please specify
11710     `twocolumn' in the
11711     \noexpand\documentclass command.}%
11712     \shipout\box\footins \fi
11713     \ifvoid\@bidi@copyins@ \else
11714     \@latexerr{ftnright package
11715         used in one-column mode}%
11716 {The ftnright package was designed to
11717     work with LaTeX's standard^^Jtwocolumn
11718     option. It does *not* work with the
11719     multicol package.^^JSo please specify
11720     `twocolumn' in the
11721     \noexpand\documentclass command.}%
11722     \shipout\box\@bidi@copyins@ \fi\fi
11723 \ifnum\insertpenalties>\z@
11724     \@latexerr{ftnright package
11725         scrambled footnotes}%
11726 {There is too much footnote material in
11727     the first column and ftnright^^Jis
11728     unable to cope with this.^^JYou need
11729     to reduce the amount to get a properly
11730     formatted page.}%
11731 \fi
11732 \else
11733 \ifvoid\footins
11734     \ifvoid\@bidi@copyins@
11735     \setbox\@outputbox\box\@cclv
11736     \else
11737     \setbox\@outputbox\vbox
11738     {\ifvoid\@cclv \else
11739     \unvbox\@cclv
11740     \vskip \skip\@bidi@copyins@
11741     \fi
11742     \color@begingroup
11743     \normalcolor
11744     \unvbox \@bidi@copyins@
11745     \color@endgroup}%
11746 \fi
11747 \else
11748     \setbox\@outputbox\vbox
11749     {\ifvoid\@cclv \else
11750     \unvbox\@cclv
11751     \vskip\skip\footins\fi
11752     \color@begingroup
11753     \normalcolor

```





```

11801 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11802 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11803 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if
11804 \Grot@x\width \divide\Grot@x\tw@
11805 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11806 \setkeys{Grot}{#1}%
11807 \setbox\z@\box\@tempboxa
11808 \Grot@setangle{#2}%
11809 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11810 \@end@tempboxa}
11811 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11812 \leavevmode
11813 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11814 \setbox\z@\hbox{#3}%
11815 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11816 \ifdim#2\p<\z@
11817 \ht\tw@-#2\dp\z@
11818 \dp\tw@-#2\ht\z@
11819 \else
11820 \ht\tw@#2\ht\z@
11821 \dp\tw@#2\dp\z@
11822 \fi
11823 \ifdim#1\p<\z@
11824 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11825 \else
11826 \wd\tw@#1\wd\z@
11827 \box\tw@
11828 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11829 \def\Gin@iii[#1,#2][#3,#4]#5{%
11830 \begingroup
11831 \ifmmode\else\if@RTL\beginL\fi\fi
11832 \Gin@bboxtrue
11833 \Gin@defaultbp\Gin@llx{#1}%
11834 \Gin@defaultbp\Gin@lly{#2}%
11835 \Gin@defaultbp\Gin@urx{#3}%
11836 \Gin@defaultbp\Gin@ury{#4}%
11837 \Gin@include@graphics{#5}%
11838 \ifmmode\else\if@RTL\endL\fi\fi
11839 \endgroup}
11840 \def\Gin@ii[#1]#2{%
11841 \def\@tempa{[]}\def\@tempb{#2}%
11842 \ifx\@tempa\@tempb
11843 \def\@tempa{\Gin@iii[#1] []}%
11844 \expandafter\@tempa
11845 \else
11846 \begingroup
11847 \ifmmode\else\if@RTL\beginL\fi\fi
11848 \@tempswafalse
11849 \toks@{\Gin@include@graphics{#2}}%
11850 \setkeys{Gin}{#1}%

```



```

11851      \Gin@esetsize
11852      \the\toks@
11853      \ifmmode\else\if@RTL\endL\fi\fi
11854    \endgroup
11855    \fi}
11856 \def\reflectbox{\bidiGscale@box-1[1]}
11857 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11858   \leavevmode
11859   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11860   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11861   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11862   \ifdim#2\p<\z@
11863     \ht\tw@-#2\dp\z@
11864     \dp\tw@-#2\ht\z@
11865   \else
11866     \ht\tw@#2\ht\z@
11867     \dp\tw@#2\dp\z@
11868   \fi
11869   \ifdim#1\p<\z@
11870     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11871   \else
11872     \wd\tw@#1\wd\z@
11873     \box\tw@
11874   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11875 \def\scalebox#1{%
11876   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
11877 \def\resizebox{%
11878   \leavevmode
11879   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11880 \def\bidiGscale@@box#1#2#3{%
11881   \let\@tempa\Gin@exclamation
11882   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11883   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11884   \ifx\@tempb\@tempa
11885     \ifx\@tempc\@tempa
11886       \toks@{\mbox}%
11887     \else
11888       \toks@{\bidiGscale@box@dd{#3}#1}%
11889     \fi
11890   \else
11891     \ifx\@tempc\@tempa
11892       \toks@{\bidiGscale@box@dd{#2}\width}%
11893     \else
11894       \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
11895     \fi
11896   \fi
11897   \the\toks@}
11898 \long\def\bidiGscale@box@dd#1#2#3{%
11899   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11900   \setlength\@tempdima{#1}%

```



```

11901 \setlength\@tempdimb{#2}%
11902 \Gscale@div\@tempa\@tempdima\@tempdimb
11903 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11904 \@end@tempboxa}
11905 \long\def\bidigscale@box@dddd#1#2#3#4#5{%
11906 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if
11907 \setlength\@tempdima{#1}%
11908 \setlength\@tempdimb{#2}%
11909 \Gscale@div\@tempa\@tempdima\@tempdimb
11910 \setlength\@tempdima{#3}%
11911 \setlength\@tempdimb{#4}%
11912 \Gscale@div\@tempb\@tempdima\@tempdimb
11913 \ifGin@iso
11914 \ifdim\@tempa\p@>\@tempb\p@
11915 \let\@tempa\@tempb
11916 \else
11917 \let\@tempb\@tempa
11918 \fi
11919 \fi
11920 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11921 \@end@tempboxa}

```

## 68 File geometry-xetex-bidi.def

```

11922 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11923 \renewcommand*\Gm@vrules@mpi{%
11924 \if@RTLmain%
11925 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11926 \llap{\Gm@vrule}\ignorespaces
11927 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11928 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11929 \else%
11930 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11931 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11932 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11933 \renewcommand*\Gm@vrules@mpii{%
11934 \if@RTLmain%
11935 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11936 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11937 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11938 \else%
11939 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11940 \llap{\Gm@vrule}\ignorespaces
11941 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11942 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11943 \bidi@patchcmd{\Gm@pageframes}{%
11944 \ifodd\count\z@
11945 \let\themargin\oddsidemargin
11946 \else
11947 \let\themargin\evensidemargin

```



```

11948     \fi
11949 }{%
11950     \ifodd\count\z@
11951     \if@RTLmain
11952         \let\@themargin\evensidemargin
11953     \else
11954         \let\@themargin\oddsidemargin
11955     \fi
11956 \else
11957     \if@RTLmain
11958         \let\@themargin\oddsidemargin
11959     \else
11960         \let\@themargin\evensidemargin
11961     \fi
11962 \fi
11963 }{}{}

```

## 69 File hvfloat-xetex-bidi.def

```

11964 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11965 \def\do@hvFloat[#1]#2#3{%
11966 \def\hv@shortCap{#1}
11967 \def\hv@longCap{#2}
11968 \def\hv@label{#3}
11969 %\newcommand*{\hvFloat}[5][[]]{%
11970 % [#1]: keyvalues
11971 % #2: type figure | table | ...
11972 % #3: float contents
11973 % [#4]: short caption
11974 % #5: caption
11975 % #6: label
11976 % \setDefault%
11977 % \def\@tempa{#1}%
11978 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11979 \def\@tempa{90}%
11980 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11981 \else \setlength{\hvMaxCapWidth}{\linewidth}
11982 \fi
11983 %
11984 % First we save the object in \hvObjectBox
11985 %
11986 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11987 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11988 \else
11989 \savebox{\hvObjectBox}{%
11990 \rotatebox{\hvSet@objectAngle}{%
11991 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11992 \fi
11993 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11994 %

```





```

11995 % Now we save the caption with its defined \hvCapWidth
11996 %
11997 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11998 \else
11999 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
12000 \else
12001 \setlength{\hvCapWidth}{\hvObjectWidth}
12002 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12003 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12004 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
12005 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
12006 \else
12007 \setlength{\hvCapWidth}{\hvMaxCapWidth}
12008 \fi
12009 \fi
12010 \fi
12011 %
12012 % now we have the object and the caption with the right
12013 % rotated angles saved in boxes
12014 %
12015 \def\fps@figure{\hvSet@floatPos}
12016 \ifhv@nonFloat\begin{group}% Start the nonfloat part
12017 \else \begin{float}% Start the floating environment
12018 \fi%
12019 \saveCaptionSkip% we put this space ourselves
12020 \ifx\hvSet@capAngle\hv@Width % need rotation?
12021 \sbox{\hvCaptionBox}{%
12022 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12023 \ifhv@nonFloat%
12024 \ifhv@onlyText#2%
12025 \else%
12026 \ifx\hv@floatType\hv@figure
12027 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
12028 \else
12029 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
12030 \fi
12031 \fi
12032 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
12033 \fi%
12034 \label{#3}%
12035 \end{minipage}%
12036 }%
12037 \else%
12038 \sbox{\hvCaptionBox}{%
12039 \rotatebox{\hvSet@capAngle}{%
12040 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12041 \ifhv@nonFloat%
12042 \ifhv@onlyText#2%
12043 \else%
12044 \ifx\hv@floatType\hv@figure

```



```

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

```



```

12095 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12096 \fi
12097 \else
12098 \ifhv@fbox
12099 \fbox{\usebox{\hvObjectBox}}%
12100 \else
12101 \usebox{\hvObjectBox}%
12102 \fi
12103 \hspace{\hvSet@floatCapSep pt}%
12104 \ifhv@fbox
12105 \fbox{\usebox{\hvCaptionBox}}%
12106 \else
12107 \usebox{\hvCaptionBox}%
12108 \fi%
12109 \fi%
12110 \fi%
12111 \else% not RTL
12112 \ifx\hvSet@capVPos\hv@Center%
12113 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12114 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12115 \fi%
12116 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12117 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12118 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12119 \fi%
12120 \else%
12121 \ifx\hvSet@capVPos\hv@Top % caption at top
12122 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12123 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12124 \fi
12125 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12126 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12127 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12128 \fi%
12129 \else% caption on bottom
12130 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12131 \else\usebox{\hvCaptionBox}
12132 \fi%
12133 \hspace{\hvSet@floatCapSep pt}%
12134 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12135 \else \usebox{\hvObjectBox}
12136 \fi%
12137 \fi%
12138 \fi% end of RTL
12139 \fi%
12140 \else
12141 \ifx\hvSet@capPos\hv@Top
12142 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12143 \begin{minipage}{\wd\hvCaptionBox}
12144 \else

```



```

12145 \begin{minipage}{\wd\hvObjectBox}
12146 \fi
12147 \centering
12148 \ifhv@fbox
12149 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12150 \fbox{\usebox{\hvObjectBox}}
12151 \else
12152 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12153 \usebox{\hvObjectBox}
12154 \fi%
12155 \end{minipage}
12156 \else
12157 \ifx\hvSet@capPos\hv@Bottom
12158 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12159 \begin{minipage}{\wd\hvCaptionBox}
12160 \else
12161 \begin{minipage}{\wd\hvObjectBox}
12162 \fi
12163 \centering
12164 \ifhv@fbox
12165 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12166 \fbox{\usebox{\hvCaptionBox}}
12167 \else
12168 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12169 \usebox{\hvCaptionBox}
12170 \fi%
12171 \end{minipage}
12172 \else% the last option: put the caption on the right
12173 \if@RTL%
12174 \ifx\hvSet@capVPos\hv@Center%
12175 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12176 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12177 \fi%
12178 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12179 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12180 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12181 \fi%
12182 \else%
12183 \ifx\hvSet@capVPos\hv@Top % caption at top
12184 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12185 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12186 \fi
12187 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12188 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
12189 \else \raisebox{-\height}{\usebox{\hvObjectBox}}
12190 \fi%
12191 \else% caption on bottom
12192 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12193 \else\usebox{\hvCaptionBox}
12194 \fi%

```



```

12195      \hspace{\hvSet@floatCapSep pt}%
12196      \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12197      \else      \usebox{\hvObjectBox}
12198      \fi%
12199      \fi%
12200      \fi%
12201 \else% not RTL
12202 \ifx\hvSet@capVPos\hv@Center%
12203 \ifhv@fbox
12204 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12205 \else
12206 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12207 \fi%
12208 \hspace{\hvSet@floatCapSep pt}%
12209 \ifhv@fbox
12210 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12211 \else
12212 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12213 \fi%
12214 \else%
12215 \ifx\hvSet@capVPos\hv@Top
12216 \ifhv@fbox
12217 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12218 \else
12219 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12220 \fi%
12221 \hspace{\hvSet@floatCapSep pt}%
12222 \ifhv@fbox
12223 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12224 \else
12225 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12226 \fi
12227 \else
12228 \ifhv@fbox
12229 \fbbox{\usebox{\hvObjectBox}}%
12230 \else
12231 \usebox{\hvObjectBox}%
12232 \fi
12233 \hspace{\hvSet@floatCapSep pt}%
12234 \ifhv@fbox
12235 \fbbox{\usebox{\hvCaptionBox}}%
12236 \else
12237 \usebox{\hvCaptionBox}%
12238 \fi%
12239 \fi%
12240 \fi
12241 \fi% end of RTL
12242 \fi
12243 \fi
12244 \fi

```



```

12245}% End savebox Object and caption
12246%
12247% now we rotate the object and caption, if needed
12248%
12249\ifx\hvSet@rotAngle\hv@Zero
12250\usebox{\@tempboxa}
12251\else
12252\rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12253\fi
12254\ifhv@nonFloat
12255\ifx\hvSet@objectPos\hv@Center
12256\ifhv@nonFloat
12257\hspace{\fill}
12258\fi
12259\fi
12260\endgroup% End the nonfloat part
12261\else
12262\end{\hv@floatType}% End the floating environment
12263\fi
12264}

```

## 70 File hyperref-xetex-bidi.def

```

12265\ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
12266\AtBeginDocument{%
12267\def\contentsline#1#2#3#4{%
12268\ifx\\#4\\%
12269\csname l@#1\endcsname{#2}{#3}%
12270\else
12271\ifcase\Hy@linktoc % none
12272\csname l@#1\endcsname{#2}{#3}%
12273\or % section
12274\csname l@#1\endcsname{%
12275\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12276}{#3}%
12277\or % page
12278\csname l@#1\endcsname{#2}{#3}%
12279\hyper@linkstart{link}{#4}{#3}\hyper@linkend
12280}%
12281\else % all
12282\csname l@#1\endcsname{%
12283\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12284}{#3}%
12285\hyper@linkstart{link}{#4}{#3}\hyper@linkend
12286}%
12287\fi
12288\fi
12289}
12290\ifHy@hyperfootnotes
12291\let\H@footnotetext\@footnotetext

```



```

12292 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12293 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12294 \def\@xfootnotenext[#1]{%
12295 \beginingroup
12296 \csname c@\@mpfn\endcsname #1\relax
12297 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12298 \endgroup
12299 \ifx\@footnotetext\@mpfootnotetext
12300 \expandafter\H@\@mpfootnotetext
12301 \else
12302 \expandafter\H@\@footnotetext
12303 \fi
12304 }%
12305 \def\@xRTLfootnotenext[#1]{%
12306 \beginingroup
12307 \csname c@\@mpfn\endcsname #1\relax
12308 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12309 \endgroup
12310 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12311 \expandafter\HRTL@\@mpRTLfootnotetext
12312 \else
12313 \expandafter\HRTL@\@RTLfootnotetext
12314 \fi
12315 }%
12316 \def\@xLTRfootnotenext[#1]{%
12317 \beginingroup
12318 \csname c@\@mpfn\endcsname #1\relax
12319 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12320 \endgroup
12321 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12322 \expandafter\HLTR@\@mpLTRfootnotetext
12323 \else
12324 \expandafter\HLTR@\@LTRfootnotetext
12325 \fi
12326 }%
12327 \def\@xfootnotemark[#1]{%
12328 \beginingroup
12329 \c@footnote #1\relax
12330 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12331 \endgroup
12332 \H@\@footnotemark
12333 }%
12334 \let\H@\@mpfootnotetext\@mpfootnotetext
12335 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
12336 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
12337 \long\def\@mpfootnotetext#1{%
12338 \H@\@mpfootnotetext{%
12339 \ifHy@nesting
12340 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12341 \else

```



```

12342         \Hy@raisedlink{%
12343             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12344         }#1%
12345     \fi
12346 }%
12347 }%
12348 \long\def\@mpRTLfootnotetext#1{%
12349     \HRTL@mpRTLfootnotetext{%
12350         \ifHy@nesting
12351             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12352         \else
12353             \Hy@raisedlink{%
12354                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12355             }#1%
12356         \fi
12357     }%
12358 }%
12359 \long\def\@mpLTRfootnotetext#1{%
12360     \HLTR@mpLTRfootnotetext{%
12361         \ifHy@nesting
12362             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12363         \else
12364             \Hy@raisedlink{%
12365                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12366             }#1%
12367         \fi
12368     }%
12369 }%
12370 \long\def\@footnotetext#1{%
12371     \H@@footnotetext{%
12372         \ifHy@nesting
12373             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12374         \else
12375             \Hy@raisedlink{%
12376                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12377             }%
12378             \let\@currentHlabel\Hy@footnote@currentHlabel
12379             \let\@currentHref\Hy@footnote@currentHref
12380             \let\@currentlabelname\@empty
12381             #1%
12382         \fi
12383     }%
12384 }%
12385 \long\def\@RTLfootnotetext#1{%
12386     \HRTL@RTLfootnotetext{%
12387         \ifHy@nesting
12388             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12389         \else
12390             \Hy@raisedlink{%
12391                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%

```





```

12392     }%
12393     \let\@currentHlabel\Hy@footnote@currentHlabel
12394     \let\@currentHref\Hy@footnote@currentHref
12395     \let\@currentlabelname\@empty
12396     #1%
12397   \fi
12398 }%
12399 }%
12400 \long\def\@LTRfootnotetext#1{%
12401 \HLTR@@@LTRfootnotetext{%
12402   \ifHy@nesting
12403     \hyper@@@anchor{\Hy@footnote@currentHref}{#1}%
12404   \else
12405     \Hy@raisedlink{%
12406       \hyper@@@anchor{\Hy@footnote@currentHref}{\relax}%
12407     }%
12408     \let\@currentHlabel\Hy@footnote@currentHlabel
12409     \let\@currentHref\Hy@footnote@currentHref
12410     \let\@currentlabelname\@empty
12411     #1%
12412   \fi
12413 }%
12414 }%
12415 \@ifpackageloaded{tabularx}{%
12416 \let\HyOrg@TX@endtabularx\TX@endtabularx
12417 \def\Hy@tabularx@hook{%
12418   \let\@footnotetext\H@@@footnotetext
12419   \let\@LTRfootnotetext\HLTR@@@LTRfootnotetext
12420   \let\@RTLfootnotetext\HRTL@@@RTLfootnotetext
12421   \let\@footnotemark\H@@@footnotemark
12422   \let\@mpfootnotetext\H@@mpfootnotetext
12423   \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12424   \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12425 }%
12426 \begingroup
12427   \toks@ \expandafter{\TX@endtabularx}%
12428   \xdef\Hy@gtemp{%
12429     \noexpand\Hy@tabularx@hook
12430     \the\toks@
12431   }%
12432 \endgroup
12433 \let\TX@endtabularx\Hy@gtemp
12434 }{}%
12435 \@ifpackageloaded{longtable}{%
12436 \CheckCommand*{\LT@p@LTRfnttext}[1]{%
12437   \edef\@tempa{%
12438     \the\LT@p@ftn
12439     \noexpand\LTRfootnotetext[\the\c@footnote]%
12440   }%
12441   \global\LT@p@ftn\expandafter{\@tempa{#1}}%

```



```

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

```



```

12492 }%
12493 \global\LT@p@ftn\expandafter{%
12494   \@tempa{#1}%
12495   \endgroup
12496 }%
12497 }%
12498 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12499   \HRTL@RTLfootnotetext{%
12500     \ifHy@nesting
12501       \hyper@@anchor{#1}{#2}%
12502     \else
12503       \Hy@raisedlink{%
12504         \hyper@@anchor{#1}{\relax}%
12505       }%
12506       \def\@currentHref{#1}%
12507       \let\@currentlabelname\@empty
12508       #2%
12509     \fi
12510   }%
12511 }%
12512 }{}%
12513 \@ifpackageloaded{bidipoem}{%
12514   \long\def\bidipoem@p@ftntext#1{%
12515     \edef\@tempx{%
12516       \the\bidipoem@p@ftn
12517       \beginingroup
12518         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12519         \noexpand\protected@xdef\noexpand\@thefnmark{%
12520           \noexpand\thempfn
12521         }%
12522         \noexpand\Hy@bidipoem@footnotetext{%
12523           \Hy@footnote@currentHref
12524         }%
12525       }%
12526       \global\bidipoem@p@ftn\expandafter{%
12527         \@tempx{#1}%
12528       }%
12529     }%
12530   }%
12531   \long\def\Hy@bidipoem@footnotetext#1#2{%
12532     \H@@footnotetext{%
12533       \ifHy@nesting
12534         \hyper@@anchor{#1}{#2}%
12535       \else
12536         \Hy@raisedlink{%
12537           \hyper@@anchor{#1}{\relax}%
12538         }%
12539         \def\@currentHref{#1}%
12540         \let\@currentlabelname\@empty
12541         #2%

```



```

12542     \fi
12543   }%
12544 }%
12545   \long\def\bidipoem@p@LTRftntext#1{%
12546 \edef\@tempxi{%
12547   \the\bidipoem@p@ftn
12548   \beginingroup
12549     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12550     \noexpand\protected@xdef\noexpand\@thefnmark{%
12551       \noexpand\thempfn
12552     }%
12553     \noexpand\Hy@bidipoem@LTRfootnotetext{%
12554       \Hy@footnote@currentHref
12555     }%
12556   }%
12557   \global\bidipoem@p@ftn\expandafter{%
12558     \@tempxi{#1}%
12559   \endgroup
12560 }%
12561 }%
12562 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12563   \HLTR@@@LTRfootnotetext{%
12564     \ifHy@nesting
12565       \hyper@@anchor{#1}{#2}%
12566     \else
12567       \Hy@raisedlink{%
12568         \hyper@@anchor{#1}{\relax}%
12569       }%
12570       \def\@currentHref{#1}%
12571       \let\@currentlabelname\@empty
12572       #2%
12573     \fi
12574   }%
12575 }%
12576   \long\def\bidipoem@p@RTLftntext#1{%
12577 \edef\@tempxii{%
12578   \the\bidipoem@p@ftn
12579   \beginingroup
12580     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12581     \noexpand\protected@xdef\noexpand\@thefnmark{%
12582       \noexpand\thempfn
12583     }%
12584     \noexpand\Hy@bidipoem@RTLfootnotetext{%
12585       \Hy@footnote@currentHref
12586     }%
12587   }%
12588   \global\bidipoem@p@ftn\expandafter{%
12589     \@tempxii{#1}%
12590   \endgroup
12591 }%

```



```

12592 }%
12593 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12594   \HRTL@RTLfootnotetext{%
12595     \ifHy@nesting
12596       \hyper@@anchor{#1}{#2}%
12597     \else
12598       \Hy@raisedlink{%
12599         \hyper@@anchor{#1}{\relax}%
12600       }%
12601       \def\@currentHref{#1}%
12602       \let\@currentlabelname\@empty
12603       #2%
12604     \fi
12605   }%
12606 }%
12607 }{}%
12608 \let\HyOrg@maketitle\maketitle
12609 \def\maketitle{%
12610   \let\Hy@saved@footnotemark\@footnotemark
12611   \let\Hy@saved@footnotetext\@footnotetext
12612   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12613   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12614   \let\@footnotemark\H@@footnotemark
12615   \let\@footnotetext\H@@footnotetext
12616   \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12617   \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12618   \@ifnextchar[\Hy@maketitle@optarg{% ]
12619     \HyOrg@maketitle
12620     \Hy@maketitle@end
12621   }%
12622 }%
12623 \def\Hy@maketitle@optarg[#1]{%
12624   \HyOrg@maketitle[#1]%
12625   \Hy@maketitle@end
12626 }%
12627 \def\Hy@maketitle@end{%
12628   \ifx\@footnotemark\H@@footnotemark
12629     \let\@footnotemark\Hy@saved@footnotemark
12630   \fi
12631   \ifx\@footnotetext\H@@footnotetext
12632     \let\@footnotetext\Hy@saved@footnotetext
12633   \fi
12634   \ifx\@RTLfootnotetext\HRTL@RTLfootnotetext
12635     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12636   \fi
12637   \ifx\@LTRfootnotetext\HLTR@LTRfootnotetext
12638     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12639   \fi
12640 }%
12641 \def\realfootnote{%

```



```

12642 \ifnextchar[\@xfootnote{%
12643 \stepcounter{\@mpfn}%
12644 \protected@xdef\@thefnmark{\thempfn}%
12645 \H@@footnotemark\H@@footnotetext
12646 }%
12647 }%
12648 \fi
12649 \def\Hy@BeginAnnot#1{%
12650 \ifmmode\else\beginL\fi%
12651 \global\advance\c@Hy@AnnotLevel\@ne
12652 \ifnum\c@Hy@AnnotLevel=\@ne
12653 #1%
12654 \fi
12655 }
12656 \def\Hy@endAnnot{%
12657 \ifnum\c@Hy@AnnotLevel=\@ne
12658 \Hy@endcolorlink
12659 \@pdfm@mark{eann}%
12660 \fi
12661 \global\advance\c@Hy@AnnotLevel\m@ne
12662 \ifmmode\else\endL\fi%
12663 }
12664 \def\hyper@link#1#2#3{%
12665 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
12666 }
12667 \def\hyper@linkfile#1#2#3{%
12668 \leavevmode
12669 \Hy@BeginAnnot{%
12670 \def\Hy@pstringF{#2}%
12671 \Hy@CleanupFile\Hy@pstringF
12672 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12673 \Hy@pstringdef\Hy@pstringD{#3}%
12674 \Hy@MakeRemoteAction
12675 \@pdfm@mark{%
12676 bann<<%
12677 /Type/Annot%
12678 /Subtype/Link%
12679 \ifHy@pdfa /F 4\fi
12680 \Hy@setpdfborder
12681 \ifx\@filebordercolor\relax
12682 \else
12683 /C[\@filebordercolor]%
12684 \fi
12685 /A<<%
12686 /S/GoToR%
12687 /F(\Hy@pstringF)%
12688 /D%
12689 \ifx\@#3\%
12690 [\Hy@href@page\@pdfremotestartview]%
12691 \else

```



```

12692         (\Hy@pstringD)%
12693         \fi
12694         \Hy@SetNewWindow
12695         \Hy@href@nextactionraw
12696     >>%
12697 >>%
12698 }%
12699 \Hy@colorlink\@filecolor
12700 }%
12701 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12702 \Hy@EndAnnot
12703 }
12704 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12705 \leavevmode
12706 \Hy@BeginAnnot{%
12707 \Hy@pstringdef\Hy@pstringF{#1}%
12708 \Hy@pstringdef\Hy@pstringP{#3}%
12709 \@pdfm@mark{%
12710 bann<<%
12711 /Type/Annot%
12712 /Subtype/Link%
12713 \ifHy@pdfa /F 4\fi
12714 \Hy@setpdfborder
12715 \ifx\@runbordercolor\relax
12716 \else
12717 /C[\@runbordercolor]%
12718 \fi
12719 /A<<%
12720 /F(\Hy@pstringF)%
12721 /S/Launch%
12722 \Hy@SetNewWindow
12723 \ifx\#3\%
12724 \else
12725 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12726 \fi
12727 \Hy@href@nextactionraw
12728 >>%
12729 >>%
12730 }%
12731 \Hy@colorlink\@runcolor
12732 }%
12733 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12734 \Hy@EndAnnot
12735 }
12736 \def\hyper@linkurl#1#2{%
12737 \leavevmode
12738 \Hy@BeginAnnot{%
12739 \Hy@pstringdef\Hy@pstringURI{#2}%
12740 \@pdfm@mark{%
12741 bann<<%

```



```

12742         /Type/Annot%
12743         /Subtype/Link%
12744         \ifHy@pdfa /F 4\fi
12745         \Hy@setpdfborder
12746         \ifx\@urlbordercolor\relax
12747         \else
12748         /C[\@urlbordercolor]%
12749         \fi
12750         /A<<%
12751         /S/URI%
12752         /URI(\Hy@pstringURI)%
12753         \ifHy@href@ismap
12754         /IsMap true%
12755         \fi
12756         \Hy@href@nextactionraw
12757         >>%
12758     >>%
12759 }%
12760 \Hy@colorlink\@urlcolor
12761 }%
12762 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12763 \Hy@endAnnot
12764 }
12765 \def\Acrobatmenu#1#2{%
12766     \Hy@Acrobatmenu{#1}{#2}{%
12767         \Hy@BeginAnnot{%
12768             \EdefEscapeName\Hy@temp@menu{#1}%
12769             \@pdfm@mark{%
12770                 bann<<%
12771                 /Type/Annot%
12772                 /Subtype/Link%
12773                 \ifHy@pdfa /F 4\fi
12774                 \Hy@setpdfborder
12775                 \ifx\@menubordercolor\relax
12776                 \else
12777                 /C[\@menubordercolor]%
12778                 \fi
12779                 /A<<%
12780                 /S/Named%
12781                 /N/\Hy@temp@menu
12782                 \Hy@href@nextactionraw
12783                 >>%
12784             >>%
12785         }%
12786         \Hy@colorlink\@menucolor
12787     }%
12788     \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12789     \Hy@endAnnot
12790 }%
12791 }

```





```

12792 \def\hyper@natlinkstart#1{%
12793   \Hy@backout{#1}%
12794   \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12795   \def\hyper@nat@current{#1}%
12796 }
12797 \def\hyper@natlinkend{%
12798   \if@RTL\endR\fi\hyper@linkend
12799 }
12800 \def\hyper@natlinkbreak#1#2{%
12801   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12802 }%
12803 }
12804 \pdfstringdefDisableCommands{%
12805   \let\LRE\@firstofone
12806   \let\LR\@firstofone
12807   \let\RLE\@firstofone
12808   \let\RL\@firstofone
12809   \def\XeTeX{Xe\TeX}%
12810   \def\XeLaTeX{Xe\LaTeX}%
12811 }
12812 \ifpackageloaded{longtable}{%
12813   \begingroup
12814     \def\y{\LT@array}%
12815     \ifundefined{scr@LT@array}{%
12816       \ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12817     }\def\y{\scr@LT@array}%
12818     \long\def\x{\refstepcounter#1#2\@sharp#3#4\@nil}%
12819     \expandafter\endgroup
12820     \expandafter\def\y[##1]##2{%
12821       \H@refstepcounter{#1}%
12822       \hyper@makecurrent{table}%
12823       \let\Hy@LT@currentHref\@currentHref
12824       #2\@sharp###4%
12825     }%
12826   }%
12827   \expandafter\expandafter\expandafter\x\y[##1]##2\@nil
12828   \begingroup
12829     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12830       \endgroup
12831       \def\LT@start{%
12832         #1%
12833         \ifvoid\LT@foot#2\fi
12834         \let\@currentHref\Hy@LT@currentHref
12835         \Hy@raisedlink{%
12836           \hyper@anchorstart{\@currentHref}\hyper@anchorend
12837         }%
12838         #3%
12839       }%
12840     }%
12841   \expandafter\x\LT@start\@nil

```



```

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

```



```

12892 \bidi@patchcmd\@Reset{%
12893   \@pdfm@mark
12894 }{%
12895   \if@RTL
12896     \null
12897     \hskip\wd\pdfm@box
12898   \fi
12899   \@pdfm@mark
12900 }{}{}
12901 \bidi@patchcmd\@Reset{%
12902   \unhbox
12903 }{%
12904   \if@RTL
12905     \hskip-\wd\pdfm@box
12906   \fi
12907   \unhbox
12908 }{}{}

```

## 71 File imspdoc-xetex-bidi.def

```

12909 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for ]
12910 \newenvironment{thebibliography}[1]{%
12911   \@bibtitlestyle
12912   \normalfont\bibliofont\labelsep .5em\relax
12913   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
12914   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12915   \bidi@thebibliography@font@hook
12916   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12917     \leftmargin\labelwidth \advance\leftmargin\labelsep
12918     \usecounter{enumiv}}%
12919   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12920   \sfcode`\.=\@m
12921 }{%
12922   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12923   \endlist
12924 }
12925
12926 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12927   \columnseprule\z@ \columnsep 35\p@
12928   \@indextitlestyle
12929   \thispagestyle{plain}%
12930   \let\item\@idxitem
12931   \parindent\z@ \parskip\z@\@plus.3\p@\relax
12932   \if@RTL\raggedleft\else\raggedright\fi
12933   \hyphenpenalty\@M
12934   \footnotesize}
12935 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12936 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12937 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12938

```



```

12939 \def\right@footnoterule{%
12940   \kern-.4\p@
12941   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12942   \kern11\p@\kern-\footnotesep}
12943 \def\left@footnoterule{\kern-.4\p@
12944   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12945 \def\@makefnmark{%
12946   \leavevmode
12947   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12948 }
12949
12950 \def\part{\@startsection{part}{0}%
12951   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
12952   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12953 \def\@tocline#1#2#3#4#5#6#7{\relax
12954   \ifnum #1>\c@tocdepth % then omit
12955   \else
12956     \par \addpenalty\@secpenalty\addvspace{#2}%
12957     \begingroup \hyphenpenalty\@M
12958     \@ifempty{#4}{%
12959       \@tempdima\csname r@tocindent\number#1\endcsname\relax
12960     }{%
12961       \@tempdima#4\relax
12962     }%
12963     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
12964     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12965     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12966     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12967     \nobreak
12968     \endgroup
12969   \fi}
12970 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12971 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12972 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12973 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12974 \def\maketitle{\par
12975   \@topnum\z@ % this prevents figures from falling at the top of page 1
12976   \@setcopyright
12977   \thispagestyle{firstpage}% this sets first page specifications
12978   \uppercasenonmath\shorttitle
12979   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12980   \else \andify\shortauthors
12981   \fi
12982   \@maketitle@hook
12983   \begingroup
12984   \@maketitle
12985   \toks@{\xp{\shortauthors}}\@temptokena\@xp{\shorttitle}%
12986   \toks4{\def\{\ignorespaces}}% defend against questionable usage
12987   \edef\@tempa{%
12988     \@nx\markboth{\the\toks4

```



```

12989 \@nx\MakeUppercase{\the\toks@}\{\the\@temptokena}}%
12990 \@tempa
12991 \endgroup
12992 \c@footnote\z@
12993 \@cleartopmattertags
12994 }

```

## 72 File leqno-xetex-bidi.def

```

12995 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX
12996 \renewcommand\@eqnnum{\hb@xt@.01\p@}%
12997 \rlap{\hskip -\displaywidth
12998 \{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

```

## 73 File letter-xetex-bidi.def

```

12999 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
13000 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
13001 \thispagestyle{firstpage}%
13002 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
13003 \else % home address
13004 \thispagestyle{empty}%
13005 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}{l
13006 \fromaddress \*[2\parskip]%
13007 \@date \end{tabular}\par}%
13008 \fi
13009 \vspace{2\parskip}%
13010 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
13011 \vspace{2\parskip}%
13012 #1\par\nobreak}
13013 \renewcommand\left@footnoterule{%
13014 \kern-\p@
13015 \hrule \@width .4\columnwidth
13016 \kern .6\p@}
13017 \renewcommand\right@footnoterule{%
13018 \kern-\p@
13019 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13020 \kern .6\p@}

```

## 74 File lettrine-xetex-bidi.def

```

13021 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package
13022 \def\@lettrine[#1]#2#3{%
13023 \def\l@initial{#2}\let\l@refstring\l@initial
13024 \setcounter{L@lines}{\value{DefaultLines}}%
13025 \setcounter{L@depth}{\value{DefaultDepth}}%
13026 \renewcommand*\L@hang{\DefaultLhang}%
13027 \renewcommand*\L@oversize{\DefaultLoversize}%
13028 \renewcommand*\L@raise{\DefaultLraise}%
13029 \renewcommand*\L@ante{}%

```



```

13030 \setlength{\L@Findent}{\DefaultFindent}%
13031 \setlength{\L@Nindent}{\DefaultNindent}%
13032 \setlength{\L@slope}{\DefaultSlope}%
13033 \setlength{\L@novskip}{\DiscardVskip}%
13034 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
13035 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
13036 \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
13037 \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
13038 \setkeys{L}{#1}%
13039 \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
13040 \ifL@realh
13041   \def\@tempa{#3}%
13042   \ifx\@tempa\@empty
13043     \PackageWarning{lettrine.sty}%
13044       {Empty second argument,\MessageBreak
13045         ignoring option `realheight';}%
13046   \else
13047     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13048   \fi
13049 \fi
13050 \if\DefaultOptionsFile\relax
13051 \else
13052   \begingroup
13053   \InputIfFileExists{\DefaultOptionsFile}%
13054     {}%
13055     {\PackageWarning{lettrine.sty}%
13056       {File \DefaultOptionsFile\space not found}}%
13057  }%
13058   \def\color##1##{\l@color{##1}}%
13059   \let\l@color\@gobbletwo
13060   \def\textcolor##1##{\l@textcolor{##1}}%
13061   \def\l@textcolor##1##2##3{##3}%
13062   \expandafter\ifx\csname l@#2-keys\endcsname\relax
13063     \gdef\l@LOKeys{}%
13064   \else
13065     \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
13066   \fi
13067 \endgroup
13068 \def\KV@prefix{KV@L@}%
13069 \let\@tempc\relax
13070 \expandafter\KV@do\l@LOKeys,\relax,
13071 \setupL@lbox
13072 \setlength{\LettrineWidth}{\wd\L@lbox}%
13073 \def\KV@prefix{KV@L@}%
13074 \let\@tempc\relax
13075 \expandafter\KV@do\l@LOKeys,\relax,
13076 \setkeys{L}{#1}%
13077 \fi
13078 \setupL@lbox
13079 \setlength{\LettrineWidth}{\wd\L@lbox}%

```



```

13080 \setlength{\LettrineHeight}{\ht\L@lbox}%
13081 \setlength{\LettrineDepth}{\dp\L@lbox}%
13082 \begingroup
13083 \def\IeC##1{##1}%
13084 \@tempdima=\L@oversize pt\relax
13085 \PackageInfo{lettrine.sty}%
13086   {Targeted height = \the\L@target@tth\MessageBreak
13087     (no accent, loversize=0),\MessageBreak
13088     Lettrine height = \the\LettrineHeight\space (#2)%
13089     \ifdim\@tempdima=z@\else\space loversize=\L@oversize\fi;%
13090     \MessageBreak reported}%
13091 \endgroup
13092 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13093 \setlength{\L@first}{\LettrineHeight}%
13094 \setlength{\L@lraise}{\L@raise\L@target@tth}%
13095 \addtolength{\L@first}{\L@lraise}%
13096 \ifnum\value{L@lines}=1
13097   \addtolength{\L@first}{-\ht\L@tbox}%
13098 \else
13099   \addtolength{\L@first}{-\L@target@tth}%
13100   \addtolength{\L@lraise}{-\L@target@dp}%
13101 \fi
13102 \par
13103 \ifdim\L@first>\L@novskip
13104   \ifL@grid
13105     \@tempdima=\baselineskip
13106     \@tempdimb=\@tempdima
13107     \advance\@tempdimb by \L@novskip
13108     \@tempcnta=1
13109     \loop\ifdim\L@first>\@tempdimb
13110       \advance\@tempcnta by 1
13111       \advance\L@first by -\@tempdima
13112     \repeat
13113     \L@first=\@tempcnta\baselineskip
13114   \fi
13115   \vskip\L@first
13116 \fi
13117 \setlength{\L@Pindent}{\wd\L@lbox}%
13118 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
13119 \settowidth{\L@first}{\L@ante}%
13120 \addtolength{\L@Pindent}{\L@first}%
13121 \addtolength{\L@Pindent}{\L@Findent}%
13122 \setlength{\L@first}{\linewidth}%
13123 \addtolength{\L@first}{-\L@Pindent}%
13124 \addtolength{\L@Nindent}{\L@Pindent}%
13125 \setlength{\L@next}{\linewidth}%
13126 \addtolength{\L@next}{-\L@Nindent}%
13127 \addtolength{\L@Pindent}{\@totalleftmargin}%
13128 \addtolength{\L@Nindent}{\@totalleftmargin}%
13129 \addtocounter{L@lines}{1}%

```



```

13130 \addtocounter{L@lines}{\value{L@depth}}%
13131 \if@RTL
13132   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13133 \else
13134   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
13135 \fi
13136 \@tempcnta=\tw@
13137 \@whilenum \@tempcnta<\c@L@lines\do{%
13138   \if@RTL
13139     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
13140   \else
13141     \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
13142   \fi
13143   \addtolength{\L@Nindent}{\L@slope}%
13144   \addtolength{\L@next}{-\L@slope}%
13145   \advance\@tempcnta\@ne}%
13146 \if@RTL
13147   \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
13148 \else
13149   \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
13150 \fi
13151 \noindent
13152 \parshape=\L@parshape\relax
13153 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
13154   \hskip \the\L@Findent}}%
13155 \usebox{\L@tbox}%
13156 \ifnum\@listdepth>0 \Lreset@listparshape \fi
13157 }

```

## 75 File lineno-xetex-bidi.def

```

13158 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for X
13159 \bidi@patchcmd{\MakeLineNo}{%
13160   \hb@xt@\z@{\makeLineNumber}%
13161 }{%
13162   \hboxL to \z@{\makeLineNumber}%
13163 }{}{}
13164
13165 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
13166   \if@RTL
13167     \hb@xt@\linewidthwidth{\LineNumber\hss}%
13168   \else
13169     \LineNumber
13170   \fi
13171 }{}{}
13172
13173 \bidi@patchcmd{\makeLineNumberRight}{%
13174   \hb@xt@\linewidthwidth{\hss\LineNumber}%
13175 }{%
13176   \if@RTL

```





```

13177 \LineNumber
13178 \else
13179 \hb@xt@\linewidth{\hss\LineNumber}%
13180 \fi
13181 }{}{}
13182
13183 \bidi@AfterPreamble{%
13184 \if@RTLmain
13185 \rightlinenumbers*
13186 \else
13187 \leftlinenumbers*
13188 \fi
13189 \@ifpackagewith{lineno}{left}{%
13190 \leftlinenumbers*
13191 }{}
13192 \@ifpackagewith{lineno}{right}{%
13193 \rightlinenumbers*
13194 }{}
13195 }
13196

```

## 76 File listings-xetex-bidi.def

```

13197 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
13198 \lst@Key{captiondirection}{textdirection}{%
13199 \lstKV@SwitchCases{#1}%
13200 {textdirection:\\%
13201 RTL:\chardef\bidi@lst@caption@direction\@ne\\%
13202 LTR:\chardef\bidi@lst@caption@direction\z@%
13203 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13204
13205 \lst@Key{captionscript}{textscript}{%
13206 \lstKV@SwitchCases{#1}%
13207 {textscript:\\%
13208 latin:\chardef\bidi@lst@caption@script\@ne\\%
13209 nonlatin:\chardef\bidi@lst@caption@script\z@%
13210 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13211
13212 \newcommand*\bidi@lst@ensure@caption@direction[2]{%
13213 \ifundefined\bidi@lst@caption@direction{}{}%
13214 \ifnum\bidi@lst@caption@direction=\z@%
13215 #1%
13216 \else%
13217 \ifnum\bidi@lst@caption@direction=\@ne%
13218 #2%
13219 \fi%
13220 \fi%
13221 }}
13222
13223 \newcommand*\bidi@lst@ensure@caption@script[2]{%

```



```

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

```



```

13274 \endgroup%
13275 }{}{}%
13276 }
13277 \ifpackageloaded{caption}{%
13278   \AtBeginCaption{%
13279     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13280     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13281   }
13282   \let\@bidi@lst@makecaption\caption@makecaption%
13283   \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
13284   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
13285 }{}%
13286 \AtBeginDocument{%
13287   \ifundefined{captionlabelfalse}{}{}%
13288   \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
13289 \ifundefined{caption@startrue}{}{}%
13290 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
13291 }%
13292 }
13293 \AtBeginDocument{
13294   \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
13295   \lst@ifnumberbychapter
13296     \gdef\thelstlisting%
13297       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13298   \else
13299     \gdef\thelstlisting{\@arabic\c@lstlisting}
13300   \fi}

```

## 77 File loadingorder-xetex-bidi.def

```

13301 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13302 \bidi@isloaded{amsmath}
13303 \bidi@isloaded{amstext}
13304 \bidi@isloaded{amsthm}
13305 \bidi@isloaded{animate}
13306 \bidi@isloaded{breqn}
13307 \bidi@isloaded{cals}
13308 \bidi@isloaded{caption}
13309 \bidi@isloaded{crop}
13310 \bidi@isloaded{cuted}
13311 \bidi@isloaded{cutwin}
13312 \bidi@isloaded{color}
13313 \bidi@isloaded{dblfnote}
13314 \bidi@isloaded{diagbox}
13315 \bidi@isloaded{xcolor}
13316 \bidi@isloaded{colortbl}
13317 \bidi@isloaded{float}
13318 \bidi@isloaded{floatrow}
13319 \bidi@isloaded{flowfram}
13320 \bidi@isloaded{framed}

```



```

13321 \bidi@isloaded{ftnright}
13322 \bidi@isloaded{xltextra}
13323 \bidi@isloaded{xunicode}
13324 \bidi@isloaded{wrapfig}
13325 \bidi@isloaded{graphicx}
13326 \bidi@isloaded{geometry}
13327 \bidi@isloaded{hvfloat}
13328 \bidi@isloaded{mdframed}
13329 \bidi@isloaded{midfloat}
13330 \bidi@isloaded{ntheorem}
13331 \bidi@isloaded{ntheorem-hyper}
13332 \bidi@isloaded{hyperref}
13333 \bidi@isloaded{fancybox}
13334 \bidi@isloaded{fancyhdr}
13335 \bidi@isloaded{fix2col}
13336 \bidi@isloaded{draftwatermark}
13337 \bidi@isloaded{empheq}
13338 \bidi@isloaded{overpic}
13339 \bidi@isloaded{pdfpages}
13340 \bidi@isloaded{listings}
13341 \bidi@isloaded{lettrine}
13342 \bidi@isloaded{lineno}
13343 \bidi@isloaded{media9}
13344 \bidi@isloaded{pstricks}
13345 \bidi@isloaded{pgf}
13346 \bidi@isloaded{picinpar}
13347 \bidi@isloaded{quotchap}
13348 \bidi@isloaded{tikz}
13349 \bidi@isloaded{titlesec}
13350 \bidi@isloaded{titletoc}
13351 \bidi@isloaded{array}
13352 \bidi@isloaded{soul}
13353 \bidi@isloaded{stabular}
13354 \bidi@isloaded{subfig}
13355 \bidi@isloaded{subfigure}
13356 \bidi@isloaded{supertabular}
13357 \bidi@isloaded{xtab}
13358 \bidi@isloaded{longtable}
13359 \bidi@isloaded{arydshln}
13360 \bidi@isloaded{multicol}
13361 \bidi@isloaded{multienum}
13362 \bidi@isloaded{minitoc}
13363 \bidi@isloaded{natbib}
13364 \bidi@isloaded{newfloat}
13365 \bidi@isloaded{ragged2e}
13366 \bidi@isloaded{rotating}
13367 \bidi@isloaded{tbls}
13368 \bidi@isloaded{tabulary}
13369 \bidi@isloaded{tocbasic}
13370 \bidi@isloaded{tocstyle}

```



```

13371 \bidi@isloaded{tocbibind}
13372 \bidi@isloaded{fontspec}
13373 \bidi@isloaded{arabxetex}
13374 \bidi@isloaded{polyglossia}
13375 \bidi@isloaded{fancyvrb}
13376 \AtBeginDocument{
13377   \if@bidi@amsmathloaded@ \else
13378     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13379   \fi%
13380   \if@bidi@amstextloaded@ \else
13381     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13382   \fi%
13383   \if@bidi@amsthmloaded@ \else
13384     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
13385   \fi%
13386   \if@bidi@animateloaded@ \else
13387     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]
13388   \fi%
13389   \if@bidi@breqnloaded@ \else
13390     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package}{}]
13391   \fi%
13392   \if@bidi@calsloaded@ \else
13393     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package}{}]
13394   \fi%
13395   \if@bidi@captionloaded@ \else
13396     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package}{}]
13397   \fi%
13398   \if@bidi@croploaded@ \else
13399     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package}{}]
13400   \fi%
13401   \if@bidi@colorloaded@ \else
13402     \ifpackageloaded{hyperref}{}{}
13403     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package}{}]
13404   \fi%
13405   \if@bidi@cutwinloaded@ \else
13406     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package}{}]
13407   \fi%
13408   \if@bidi@cutedloaded@ \else
13409     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package}{}]
13410   \fi%
13411   \if@bidi@dblfnoteloaded@ \else
13412     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package}{}]
13413   \fi%
13414   \if@bidi@diagboxloaded@ \else
13415     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package}{}]
13416   \fi%
13417   \if@bidi@xcolorloaded@ \else
13418     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package}{}]
13419   \fi%
13420   \if@bidi@colortblloaded@ \else

```



```

13421 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi packa
13422 \fi%
13423 \if@bidi@floatloaded@else
13424 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package
13425 \fi%
13426 \if@bidi@floatrowloaded@else
13427 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi packa
13428 \fi%
13429 \if@bidi@flowframloaded@else
13430 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi packa
13431 \fi%
13432 \if@bidi@framedloaded@else
13433 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package
13434 \fi%
13435 \if@bidi@ftnrightloaded@else
13436 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13437 \fi%
13438 \if@bidi@xltxtraloaded@else
13439 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packa
13440 \fi%
13441 \if@bidi@xunicodeloaded@else
13442 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13443 \fi%
13444 \if@bidi@wrapfigloaded@else
13445 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packa
13446 \fi%
13447 \if@bidi@graphicxloaded@else
13448 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13449 \fi%
13450 \if@bidi@geometryloaded@else
13451 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13452 \fi%
13453 \if@bidi@hvfloatloaded@else
13454 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packa
13455 \fi%
13456 \if@bidi@mdframedloaded@else
13457 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13458 \fi%
13459 \if@bidi@midfloatloaded@else
13460 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13461 \fi%
13462 \if@bidi@ntheoremloaded@else
13463 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13464 \fi%
13465 \if@bidi@hyperrefloaded@else
13466 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13467 \fi%
13468 \if@bidi@fancyboxloaded@else
13469 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13470 \fi%

```



```

13471 \if@bidi@fancyhdrloaded@else
13472   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13473 \fi%
13474 \if@bidi@draftwatermarkloaded@else
13475   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi
13476 \fi%
13477 \if@bidi@empheqloaded@else
13478   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13479 \fi%
13480 \if@bidi@overpicloaded@else
13481   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packag
13482 \fi%
13483 \if@bidi@pdfpagesloaded@else
13484   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13485 \fi%
13486 \if@bidi@lettrineloaded@else
13487   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13488 \fi%
13489 \if@bidi@linenoloaded@else
13490   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package
13491 \fi%
13492 \if@bidi@listingsloaded@else
13493   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13494 \fi%
13495 \csname if@bidi@media9loaded@endcsname\else
13496   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package
13497 \fi%
13498 \if@bidi@pstricksloaded@else
13499   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13500 \fi%
13501 \if@bidi@pgfloaded@else
13502   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13503 \fi%
13504 \if@bidi@picinparloaded@else
13505   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13506 \fi%
13507 \if@bidi@quotchaploaded@else
13508   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13509 \fi%
13510 \if@bidi@tikzloaded@else
13511   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13512 \fi%
13513 \if@bidi@titlesecloaded@else
13514   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13515 \fi%
13516 \if@bidi@titletocloaded@else
13517   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13518 \fi%
13519 \if@bidi@arrayloaded@else
13520   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package

```



```

13521 \fi%
13522 \if@bidi@stabularloaded@else
13523   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa
13524 \fi%
13525 \if@bidi@soulloaded@else
13526   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13527 \fi%
13528 \if@bidi@subfigloaded@else
13529   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package
13530 \fi%
13531 \if@bidi@subfigureloaded@else
13532   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13533 \fi%
13534 \if@bidi@supertabularloaded@else
13535   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13536 \fi%
13537 \if@bidi@xtabloaded@else
13538   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13539 \fi%
13540 \if@bidi@longtableloaded@else
13541   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13542 \fi%
13543 \if@bidi@arydshlnloaded@else
13544   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13545 \fi%
13546 \if@bidi@multicolloaded@else
13547   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13548 \fi%
13549 \if@bidi@multienumloaded@else
13550   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13551 \fi%
13552 \if@bidi@minitocloaded@else
13553   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13554 \fi%
13555 \if@bidi@natbibloaded@else
13556   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package
13557 \fi%
13558 \if@bidi@newfloatloaded@else
13559   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13560 \fi%
13561 \csname if@bidi@ragged2eloaded@\endcsname\else
13562   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13563 \fi%
13564 \if@bidi@rotatingloaded@else
13565   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13566 \fi%
13567 \if@bidi@tblsloaded@else
13568   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package.
13569 \fi%
13570 \if@bidi@tabularyloaded@else

```





```

13571 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13572 \fi%
13573 \if@bidi@tocbasicloaded@else
13574 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13575 \fi%
13576 \if@bidi@tocstyleloaded@else
13577 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13578 \fi%
13579 \if@bidi@tocbibindloaded@else
13580 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13581 \fi%
13582 \if@bidi@fontspecloaded@else
13583 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13584 \fi%
13585 \if@bidi@arabxetexloaded@else
13586 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13587 \fi%
13588 \if@bidi@polyglossialloaded@else
13589 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi pa
13590 \fi%
13591 \if@bidi@fancyvrbloaded@else
13592 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13593 \fi%
13594 }

```

## 78 File longtable-xetex-bidi.def

```

13595 \ProvidesFile{longtable-xetex-bidi.def}[2019/01/19 v0.5 bidi adaptations for longtable package]
13596 \def\LT@array[#1]#2{%
13597 \refstepcounter{table}\stepcounter{LT@tables}%
13598 \if l#1%
13599 \if@RTLtab\LTleft\fill \LTright\z@ \else\LTleft\z@ \LTright\fill\fi
13600 \else\if r#1%
13601 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13602 \else\if c#1%
13603 \LTleft\fill \LTright\fill
13604 \fi\fi\fi
13605 \let\LT@mc\multicolumn
13606 \let\LT@ctabarray\@tabarray
13607 \let\LT@chl\hline
13608 \def\@tabarray{%
13609 \let\hline\LT@chl
13610 \LT@ctabarray}%
13611 \let\LT@tabularcr\let\tabularnewline\%
13612 \def\newpage{\noalign{\break}}%
13613 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13614 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
13615 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13616 \let\tempdima\ht\strutbox
13617 \let\endpbox\LT@endpbox

```



```

13618 \ifx\extrarowheight\@undefined
13619 \let\@acol\@tabacol
13620 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13621 \def\@startpbox{\vtop\LT@startpbox}%
13622 \let\@@startpbox\@startpbox
13623 \let\@@endpbox\@endpbox
13624 \let\LT@LL@FM@cr\@tabularcr
13625 \else
13626 \advance\@tempdima\extrarowheight
13627 \col@sep\@tabcolsep
13628 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13629 \fi
13630 \setbox\@arstrutbox\hbox{\vrule
13631 \@height \arraystretch \@tempdima
13632 \@depth \arraystretch \dp \strutbox
13633 \@width \z@}%
13634 \let\@sharp#\let\protect\relax
13635 \begingroup
13636 \mkpream{#2}%
13637 \xdef\LT@bchunk{%
13638 \global\advance\c@LT@chunks\@ne
13639 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13640 \LT@setprevdepth
13641 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13642 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13643 \endgroup
13644 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13645 \LT@make@row
13646 \m@th\let\par\@empty
13647 \everycr{}\lineskip\z@baselineskip\z@
13648 \LT@bchunk}
13649 \def\LT@makecaption#1#2#3{%
13650 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13651 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13652 \ifdim\wd\@tempboxa>\hsize
13653 #1{#2: }#3%
13654 \else
13655 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13656 \fi
13657 \endgraf\vskip\baselineskip}%
13658 \hss}}}
13659 \ifpackageloaded{caption}{%
13660 \renewcommand\LT@makecaption[3]{%
13661 \caption@LT@make{%
13662 \caption@settype*\LTcaptype
13663 \ifdim\LTcapwidth=4in \else
13664 \setcaptionwidth\LTcapwidth
13665 \fi
13666 \caption@setoptions{longtable}%
13667 \caption@setoptions{@longtable}%

```



```

13668 \caption@LT@setup
13669 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13670 \caption@startrue#1\caption@starfalse
13671 \caption@prepare@stepcounter\LTcapttype{LT}%
13672 \caption@begin\LTcapttype
13673 \caption@normalsize
13674 \vskip-\ht\strutbox
13675 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13676 \caption@@make{#2}{#3}\endgraf
13677 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13678 \caption@end}}%
13679 }{}
13680 \def\LT@startpbox#1{%
13681 \bgroup\color@begingroup
13682 \let\@footnotetext\LT@p@ftntext
13683 \let\@LTRfootnotetext\LT@p@LTRftntext
13684 \let\@RTLfootnotetext\LT@p@RTLftntext
13685 \setlength\hsize{#1}%
13686 \@arrayparboxrestore
13687 \vrule \@height \ht\@arstrutbox \@width \z@}
13688 \def\LT@p@LTRftntext#1{%
13689 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13690 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13691 \def\LT@p@RTLftntext#1{%
13692 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13693 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13694
13695
13696 \def\LT@output{%
13697 \ifnum\outputpenalty <-\@Mi
13698 \ifnum\outputpenalty > -\LT@end@pen
13699 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13700 \else
13701 \setbox\z@\vbox{\unvbox\@cclv}%
13702 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13703 \dimen@pagegoal
13704 \advance\dimen@-\ht\LT@lastfoot
13705 \ifdim\dimen@<\ht\z@
13706 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13707 \makecol
13708 \outputpage
13709 \setbox\z@\vbox{\box\LT@head}%
13710 \fi
13711 \fi
13712 \global\@colroom\@colht
13713 \global\vsizel\@colht
13714 \vbox
13715 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13716 \fi
13717 \else

```



```

13718 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13719 \makecol
13720 \@outputpage
13721 \global\ysize\@colroom
13722 \copy\LT@head\nobreak
13723 \fi}

```

## 79 File mathtools-xetex-bidi.def

```

13724 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13725 \MHInternalSyntaxOn
13726 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13727 \namedef{MT_tagform_#1:n}##1
13728 {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\fi}
13729 }
13730 \renewtagform{default}{\{()\}}
13731 \MHInternalSyntaxOff

```

## 80 File mdframed-xetex-bidi.def

```

13732 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13733 \newif\if@bidi@mdf@RTL
13734 \def\mdf@lrbox#1{%
13735 \mdf@patchamsthm%patch amsthm
13736 \if@RTL\@bidi@mdf@RTLtrue\fi%
13737 \@RTLfalse%
13738 \setbox#1\vbox\bgroup%
13739 \color@begingroup%
13740 \if@bidi@mdf@RTL\@RTLtrue\fi%
13741 \mdf@horizontalmargin@equation%
13742 \columnwidth=\hsize%
13743 \textwidth=\hsize%
13744 \let\if@nobreak\iffalse%
13745 \let\if@noskipsec\iffalse%
13746 \let\par\@par%
13747 \let\-\@dischyph%
13748 \let'\@acci\let'\@accii\let\=\@acciii%
13749 \parindent\z@ \parskip\z@skip%
13750 \linewidth\hsize%
13751 \@totalleftmargin\z@%
13752 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13753 \parfillskip\@flushglue \lineskip\normallineskip%
13754 \baselineskip\normalbaselineskip%
13755 %% \sloppy%
13756 \let\\\@normalcr%
13757 \mdf@par@local%New feature to restore parskip/parindent local in save box
13758 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13759 \@afterindentfalse%
13760 %\@afterheading%
13761 }

```



```

13762 \renewrobustcmd\mdfframedtitleenv[1]{%
13763     \mdf@lrbox{\mdf@frametitlebox}%
13764     \mdf@frametitlealignment%
13765     \leavevmode{\color{\mdf@frametitlefontcolor}%
13766         \normalfont\mdf@frametitlefont{#1}
13767     \ifbool{mdf@ignorelastdescenders}%
13768         {%
13769         \par\strut\par
13770         \unskip\unskip\setbox0=\lastbox
13771         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13772         }{}}%
13773     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13774     \endmdf@lrbox\relax%
13775     \mdf@ignorevbadness%
13776     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13777     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13778     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13779     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13780     \mdfframetitleboxtotalheight=\dimexpr
13781         \ht\mdf@frametitlebox
13782         +\dp\mdf@frametitlebox%
13783         +\mdf@frametitleaboveskip@length
13784         +\mdf@frametitlebelowskip@length
13785         \relax%
13786 }
13787
13788 \renewrobustcmd*\mdf@footnoteoutput{%
13789     \ifvoid\@mpfootins\else%
13790     \nobreak%
13791     \vskip\mdf@footnotedistance@length%
13792     \normalcolor%
13793     \bidi@mpfootnoterule%
13794     \unvbox\@mpfootins%
13795     \fi%
13796 }
13797
13798
13799 \renewrobustcmd*\mdf@footnoteinput{%
13800     \def\@mpfn{mpfootnote}%
13801     \def\thempfn{\thempfootnote}%
13802     \c@mpfootnote\z@%
13803     \let\@footnotetext\@mpfootnotetext%
13804     \let\@LTRfootnotetext\@mpLTRfootnotetext%
13805     \let\@RTLfootnotetext\@mpRTLfootnotetext%
13806 }

```

## 81 File bidi-media9.sty

```

13807 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13808 {bidi fixes for media9 package for the XeTeX engine}

```



```

13809
13810 \keys_define:nn{media9/mbtn}{
13811   draft .code:n = {},
13812   final .code:n = {},
13813
13814   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13815   tooltip .value_required:n = {true},
13816
13817   overface .code:n = {
13818     \sbox\l_mix_poster_box{
13819       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13820     \mix_pdfxform:n{\l_mix_poster_box}
13821     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13822   },
13823   overface .value_required:n = {true},
13824
13825   downface .code:n = {
13826     \sbox\l_mix_poster_box{
13827       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13828     \mix_pdfxform:n{\l_mix_poster_box}
13829     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13830   },
13831   downface .value_required:n = {true},
13832
13833   3Dgotoview .code:n = {
13834     \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13835     \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
13836     \tl_trim_spaces:N\l_tmpa_tl
13837     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13838       \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13839         \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13840         \regex_replace_once:nnN{[~:~]+:~?}{\1}\l_tmpb_tl
13841         \tl_trim_spaces:N\l_tmpb_tl
13842         \tl_if_blank:VF\l_tmpb_tl{
13843           \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13844             \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
13845           }{
13846             \regex_match:nVTF{^[d+~$]\l_tmpb_tl{
13847               \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13848             }{
13849               \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
13850               \regex_replace_once:nnN{\s*\)}{\1}\l_tmpb_tl
13851               \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13852             }
13853           }
13854         }
13855       \mix_pdfobj:nnn{}{dict}{
13856         /S/JavaScript/JS~(
13857           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13858           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){

```



```

13859         annotRM['\l_tmpa_tl']=
13860         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13861     }
13862     annotRM['\l_tmpa_tl'].activated=true;
13863 )
13864 \tl_if_blank:VF\l_tmpb_tl{
13865     /Next~<<
13866     /S/GoTo3DView
13867     /TA~\tl_use:c{ann@\l_tmpa_tl}
13868     /V\l_mix_vidx_tl
13869     >>
13870 }
13871 }
13872 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13873 }
13874 }{
13875     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13876     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13877         \tl_new:N\g_mix_refundefwarned_tl
13878         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13879     }
13880 }
13881 },
13882 3Dgotoview .value_required:n = {true},
13883
13884 mediacommand .code:n = {
13885     \tl_set:Nx\l_tmpa_tl{#1}
13886     \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl %extract ref
13887     \tl_trim_spaces:N\l_tmpa_tl
13888     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13889         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13890             \tl_set:Nx\l_tmpb_tl{#1}
13891             \regex_replace_once:nnN{[~:~]+:\.}{\1}\l_tmpb_tl
13892             \tl_trim_spaces:N\l_tmpb_tl
13893             \regex_replace_all:nnN{^{\|}\$}{\1}\l_tmpb_tl
13894             \tl_set:Nx\l_mix_cmd_tl{
13895                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13896             \tl_trim_spaces:N\l_mix_cmd_tl
13897             \tl_set:Nx\l_mix_arg_tl{
13898                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13899             \tl_trim_spaces:N\l_mix_arg_tl
13900             \mix_pdfobj:nnn{}{dict}{
13901                 /S/JavaScript/JS~(
13902                     if (typeof (annotRM)=='undefined'){annotRM=new-Array();}
13903                     if (typeof (annotRM['\l_tmpa_tl'])=='undefined'){
13904                         annotRM['\l_tmpa_tl']=
13905                         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13906                     }
13907                     annotRM['\l_tmpa_tl'].activated=true;
13908                 )

```



```

13909         \tl_if_blank:VF\l_mix_cmd_tl{
13910             /Next~<<
13911             /S/RichMediaExecute
13912             /TA~\tl_use:c{ann@\l_tmpa_tl}
13913             /TI~\tl_use:c{main@\l_tmpa_tl}
13914             /CMD~<<
13915             /C~(\l_mix_cmd_tl)
13916             \tl_if_blank:VF\l_mix_arg_tl{
13917                 /A~[\l_mix_arg_tl]
13918             }
13919             >>
13920             >>
13921         }
13922     }
13923     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13924 }
13925 }{
13926     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13927     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13928         \tl_new:N\g_mix_refundefwarned_tl
13929         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13930     }
13931 }
13932 },
13933 mediacommand .value_required:n = {true},
13934
13935 jsaction .code:n = {
13936     \tl_set:Nx\l_tmpa_tl{#1}
13937     \regex_match:nVTF{^[^\{:\}+:\.*$}\l_tmpa_tl{
13938         \regex_replace_once:nnN{([^\{:\}+:\.]*?)\l_tmpa_tl %extract ref
13939         \tl_trim_spaces:N\l_tmpa_tl
13940     }\tl_clear:N\l_tmpa_tl}
13941     \tl_set:Nx\l_tmpb_tl{#1}
13942     \tl_if_blank:VF\l_tmpa_tl{
13943         \tl_if_exist:cF{ann@\l_tmpa_tl}{
13944             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13945             \cs_if_exist:NF\g_mix_refundefwarned_tl{
13946                 \tl_new:N\g_mix_refundefwarned_tl
13947                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13948             }
13949         }
13950         \regex_replace_once:nnN{[^\{:\}+:\.]*}\l_tmpb_tl
13951     }
13952     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13953     \tl_trim_spaces:N\l_tmpb_tl
13954     \tl_if_blank:VF\l_tmpb_tl{
13955         \mix_pdfobj:nnn{}{dict}{
13956             /S/JavaScript/JS~(
13957                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
13958         \bool_lazy_and:nnT{

```





```

13959     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13960   }{
13961     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13962   }{
13963     \mix_pdfobj:nnn{}{dict}{
13964       /S/JavaScript/JS~(
13965         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13966         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13967           annotRM['\l_tmpa_tl']=
13968             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13969         }
13970         annotRM['\l_tmpa_tl'].activated=true;
13971       )
13972     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13973   }
13974 }
13975 \bool_if:nT{
13976   \bool_lazy_and_p:nn{
13977     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13978   }{
13979     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13980   }
13981   || !\tl_if_blank_p:V\l_tmpb_tl
13982 }{
13983   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13984 }
13985 },
13986 jsaction .value_required:n = {true},
13987
13988 unknown .code:n = {
13989   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13990 }
13991 }
13992
13993 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
13994   \mix_uriend:
13995   \group_begin:
13996   \mix_beginLTR:
13997   \leavevmode
13998   %empty stream as appearance dummy
13999   \cs_if_exist:NF\g_mix_appearance_tl{
14000     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
14001     \mix_pdfxform:n{\l_mix_poster_box}
14002     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
14003   }
14004   \mix_reset:
14005   \mix_uribegin: %treat URI characters correctly
14006   \keys_set:nn{media9/user}{#1}
14007   \mix_uriend:
14008   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}

```



```

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

```



```

14059     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
14060   }
14061   %embed main asset
14062   \mix_uribegin:
14063   \mix_embedasset:n{#3}
14064   \bool_if:nTF{
14065     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
14066   }{
14067     \bool_gset_true:N\g_mix_iiid_bool
14068     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
14069   }{
14070     \str_case_x:nnF{\l_mix_base_tl}{
14071       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14072       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14073       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14074       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14075       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14076     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
14077   }
14078   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
14079   \mix_uriend:
14080   %secondary assets (added by addresource)
14081   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
14082   \seq_map_inline:Nn\g_mix_script_seq{
14083     \mix_embedasset:n{##1}
14084     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
14085   }
14086   %attach 3D calculation script
14087   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
14088     \mix_embedasset:n{3Dmenu.js}
14089     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
14090   }
14091   %create 3D views from file (option 3Dviews)
14092   \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
14093     \tl_set:Nn\l_mix_level_tl{c_minus_one}
14094     \int_zero:N\l_mix_viewcnt_int
14095     \int_zero:N\l_mix_lineno_int
14096
14097     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
14098     \ior_map_inline:Nn\l_mix_vfile_stream{
14099       \int_incr:N\l_mix_lineno_int
14100       \keys_set:nn{media9/views}{##1} %process input line
14101     }
14102     \ior_close:N\l_mix_vfile_stream
14103   }
14104   \bool_if:nT{ %create default 3D view if required
14105     \g_mix_iiid_bool &&
14106     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
14107   }{
14108     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl

```



```

14109 \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
14110 \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
14111 \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
14112 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
14113 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
14114 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
14115
14116 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14117 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14118 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14119 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14120
14121 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
14122 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14123 \tl_clear:N\l_mix_naarray_tl
14124
14125 \bool_if:NF\l_mix_ciiw_bool{
14126   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14127   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14128 }
14129
14130 \tl_clear:N\l_mix_naarray_tl
14131 \tl_clear:N\l_mix_saarray_tl
14132 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14133
14134 \mix_view:n{Default}
14135 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14136
14137 }
14138 \mix_pdfobj:nnn{}{dict}{
14139   /Type/RichMediaInstance
14140   /Subtype/\g_mix_mainassetsub_tl
14141   /Asset~\g_mix_mainasset_tl
14142   \bool_if:NF\g_mix_iiid_bool{
14143     /Params~<<
14144     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14145       /Foreground
14146     }{
14147       /Background
14148     }
14149     \tl_if_blank:VF\g_mix_flashvars_tl{
14150       /FlashVars~(\g_mix_flashvars_tl)
14151     }
14152     >>
14153   }
14154 }
14155 \tl_if_empty:NF\g_mix_usrlabel_tl{
14156   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14157 }
14158 \mix_pdfobj:nnn{}{dict}{

```



```

14159     /Type/RichMediaConfiguration
14160     /Subtype/\g_mix_mainassetssub_tl
14161     /Instances~[\mix_pdflastobj:]
14162 }
14163 \mix_pdfobj:nnn{}{dict}{
14164     /Type/RichMediaContent
14165     /Assets~<</Names~[\g_mix_assets_tl]>>
14166     /Configurations~[\mix_pdflastobj:]
14167     \bool_if:nT{
14168         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14169     }{
14170         /Views~[\l_mix_iiidviewarray_tl]
14171     }
14172 }
14173 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14174 \bool_if:nT{
14175     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14176 }{
14177     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14178 }
14179 %determine floating window size
14180 \bool_if:NT\g_mix_opt_windowed_bool{
14181     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14182 }
14183 \mix_pdfobj:nnn{}{dict}{
14184     /Activation~<<
14185         /Condition\g_mix_act_tl
14186         \bool_if:nT{
14187             \g_mix_iiid_bool &&
14188             !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14189         }{
14190             %seems to work only with 3D content
14191             /Animation~<<
14192                 /Subtype/\g_mix_playtpe_tl
14193                 /PlayCount~\g_mix_playcnt_tl
14194                 /Speed~\g_mix_playspd_tl
14195             >>
14196         }
14197         \bool_if:nT{
14198             \g_mix_iiid_bool && (
14199                 \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14200             )
14201         }{
14202             /View~\l_mix_dfltview_tl
14203         }
14204     /Presentation~<<
14205         /Transparent~\g_mix_transp_tl
14206         \bool_if:NTF\g_mix_opt_windowed_bool{
14207             /Style/Windowed
14208             /Window~<<
14209                 /Width~<</Default~\tl_mix_fltd>>
14210                 /Height~<</Default~\tl_mix_fltht>>
14211                 /Position~<<

```



```

14209         /HOffset~0/VOffset~0
14210         \str_case_x:nnF{\g_mix_winpos_tl}{
14211             {tl}{/VAlign/Near/HAlign/Near}
14212             {cl}{/VAlign/Center/HAlign/Near}
14213             {bl}{/VAlign/Far/HAlign/Near}
14214             {bc}{/VAlign/Far/HAlign/Center}
14215             {br}{/VAlign/Far/HAlign/Far}
14216             {cr}{/VAlign/Center/HAlign/Far}
14217             {tr}{/VAlign/Near/HAlign/Far}
14218             {tc}{/VAlign/Near/HAlign/Center}
14219             }{/HAlign/Center/VAlign/Center}
14220         >>
14221     >>
14222     }{
14223         /Style/Embedded
14224     }
14225     \bool_if:NTF\g_mix_iiid_bool{
14226         /Toolbar~\g_mix_tools_tl
14227         /NavigationPane~\g_mix_nav_tl
14228     }{
14229         /PassContextClick~\g_mix_contextclick_tl
14230     }
14231     >>
14232     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14233     >>
14234     /Deactivation~<</Condition\g_mix_deact_tl>>
14235 }
14236 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14237 \tl_if_empty:NF\g_mix_usrlabel_tl{
14238     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14239 }
14240 % #1:width, #2:height, #3:depth, #4:content (key-value)
14241 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14242     /Subtype/RichMedia
14243     /F~4
14244     /BS~<</W~0/S/S>>
14245     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14246     /NM~(\g_mix_label_tl)
14247     /AP~<</N~\g_mix_appearance_tl>>
14248     /RichMediaSettings~\l_mix_settings_tl
14249     /RichMediaContent~\l_mix_content_tl
14250 }
14251 \tl_if_empty:NF\g_mix_usrlabel_tl{
14252     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14253     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14254         \noexpand\the\g@mix@page@int}
14255 }
14256 \mix_pdfobj:nnn{}{dict}{
14257     /S/JavaScript/JS~(
14258     try{

```



```

14259         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14260         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14261             annotRM['\g_mix_label_tl']=
14262                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14263         }
14264         \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14265             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14266                 var~ocgs=this.getOCGs(this.pageNum);
14267                 for(var~i=0;i<ocgs.length;i++){
14268                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14269                         var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14270                     }
14271                 }
14272             }
14273             if(
14274                 !annotRM['\g_mix_label_tl'].activated&&(
14275                     app.viewerType=='Reader' ||
14276                     app.viewerType=='Exchange' ||
14277                     app.viewerType=='Exchange-Pro'
14278                 )&&app.viewerVersion>=9
14279             ){
14280                 ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14281             }
14282         }
14283     }catch(e){}
14284     this.dirty=false;
14285 )
14286 }
14287 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14288     /Subtype/Widget
14289     /FT/Btn/Ff~65537/F~2
14290     /BS~<</W~0>>
14291     /T~(fd@\g_mix_label_tl)
14292     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14293 }
14294 \mix_appendtofields:n{\mix_pdflastann:}
14295 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14296 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14297     \hbox_to_wd:nn{\g_mix_wd_tl}{
14298         \vrule-width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14299     }
14300 }{%insert play button overlay
14301     \mix_insert_btnocg: %create OCG
14302     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14303     \group_begin:
14304     \cs_if_exist:NT\textdir{\textdir TLT}
14305     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14306     \box_move_down:nn{\g_mix_dp_tl}{
14307         \hbox_to_wd:nn{\g_mix_wd_tl}{
14308             \vbox_to_ht:nn{\g_mix_tt_tl}{

```



```

14309             \vss
14310             \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14311             \box_use:N\l_mix_pbbtn_box
14312             \ocgbase_oc_emc:
14313         }
14314     }
14315 }
14316 \group_end:
14317 }
14318 \int_gincr:N\g_mix_rmcnt_int
14319 }
14320 \mix_endLTR:
14321 \group_end:
14322 }
14323 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14324 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14325
14326 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
14327 \mix_uridend:
14328 \group_begin:
14329 \mix_beginLTR:
14330 \leavevmode
14331 %reset various variables
14332 \tl_gclear:N\g_mix_overbtn_tl
14333 \tl_gclear:N\g_mix_downbtn_tl
14334 \tl_gclear:N\g_mix_btnactions_tl
14335 \tl_gclear:N\g_mix_tooltip_tl
14336 %process options
14337 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14338 \mix_uribegin: %treat URI characters correctly
14339 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14340 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14341 \mix_uridend:
14342 %normal button appearance
14343 %\hbox_set:Nn\l_mix_poster_box{#2}
14344 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14345 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14346 \tl_set:Nx\height {\dim_use:N\box_ht:N\l_mix_poster_box}
14347 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14348 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14349 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
14350 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14351 \mix_pdfxform:n{\l_mix_poster_box}
14352 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14353 %insert widget annotation
14354 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14355 /Subtype/Widget
14356 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14357 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14358 /FT/Btn/Ff~65536

```





```

14359 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}/{/H/P}
14360 /AP~<<
14361 /N~\g_mix_normalbtn_tl
14362 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14363 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14364 >>
14365 /MK~<<
14366 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14367 /I~\g_mix_normalbtn_tl
14368 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14369 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14370 >>
14371 /A~<<
14372 /S/JavaScript/JS~(app.focusRect=false;)
14373 %sequence of actions to perform
14374 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14375 >>
14376 }
14377 \mix_appendtofields:n{\mix_pdflastann:}
14378 \hbox_to_wd:nn{\width}{
14379 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14380 }
14381 \int_gincr:N\g_mix_mbtncnt_int
14382 }
14383 \mix_endLTR:
14384 \group_end:
14385 }
14386 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14387 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14388
14389

```

## 82 File memoir-xetex-bidi.def

```

14390 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14391 \renewcommand{\keepthetitle}{%
14392 \@bsmtitleempty
14393 \global\let\thanks\relax
14394 \global\let\LTRthanks\relax
14395 \global\let\RTLthanks\relax
14396 \global\let\and\relax
14397 \global\let\andnext\relax
14398 \global\let\@thanks\@empty
14399 \global\let\@title\@empty
14400 \global\let\@author\@empty
14401 \global\let\@date\@empty}
14402 \renewcommand{\maketitle}{\par
14403 \begin{group}
14404 \@bsmarkseries
14405 \def\@makefnmark{\@textsuperscript{%

```



```

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

```



```

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

```



```

14506
14507 \long\def\@makecaption##1##2{%
14508   \vskip\abovcaptionskip
14509   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14510   \ifdim \wd\@tempboxa >\hsize
14511     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14512   \else
14513     \global \@minipagefalse
14514     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14515   \fi
14516   \vskip\belowcaptionskip}
14517
14518 \def\caption{%
14519   \ifx\@captive\@undefined
14520     \latex@error{\noexpand\caption outside float}\@ehd
14521     \expandafter\@gobble
14522   \else
14523     \refstepcounter\@captive
14524     \expandafter\@firstofone
14525   \fi
14526   {\@dblarg{\@caption\@captive}}%
14527 }
14528
14529 \long\def\@caption##1[##2]##3{%
14530   \par
14531   \addcontentsline{\csname ext@##1\endcsname}{##1}%
14532     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14533   \begingroup
14534     \@parboxrestore
14535     \if@minipage
14536       \setminipage
14537     \fi
14538     \normalsize
14539     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14540   \endgroup}
14541 }}{}
14542 \renewenvironment{thebibliography}[1]{%
14543   \bibsection
14544   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14545   \bidi@thebibliography@font@hook%
14546   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

## 83 File midfloat-xetex-bidi.def

```

14547 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14548 \def\RTL@outputdblcol{%
14549   \if@firstcolumn
14550     \global \@firstcolumnfalse
14551     \global\setbox\@leftcolumn\copy\@outputbox
14552     \splitmaxdepth\maxdimen

```



```

14553 \vbadness\maxdimen
14554 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14555 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14556 \toks@\expandafter{\topmark}%
14557 \xdef\@firstcoltopmark{\the\toks@}%
14558 \toks@\expandafter{\splitfirstmark}%
14559 \xdef\@firstcolfirstmark{\the\toks@}%
14560 \ifx\@firstcolfirstmark\@empty
14561 \global\let\@setmarks\relax
14562 \else
14563 \gdef\@setmarks{%
14564 \let\firstmark\@firstcolfirstmark
14565 \let\topmark\@firstcoltopmark}%
14566 \fi
14567 \global\c@colht\@colht\global\c@advvipersep\z@
14568 \ifnum\jua@sk>0
14569 \remove@strip\jua@sar
14570 \global\@colht\the\jua@pr
14571 \ifdim\right@cor>\z@
14572 \global\advance\@colht by\right@cor
14573 \fi
14574 \global\advance\@colht by\cor@height
14575 \global\cor@height=0pt
14576 \fi
14577 \global \setbox\@rightcolumn \vbox{%
14578 \else
14579 \ifdim\c@colht>\@colht
14580 \@tempdima\@colht
14581 \ifdim\@colht>\z@
14582 \global\setbox\@rightcolumn \vbox{%
14583 \unvbox\@rightcolumn
14584 \vbox to\@tempdima{%
14585 \vskip\c@advvipersep\unvbox\@outputbox}%
14586 \vskip\stripsep
14587 \vrule height\the\jua@ht width Opt depth Opt
14588 \vskip\stripsep
14589 }%
14590 \global\c@advvipersep\m@advvipersep
14591 \else
14592 \global\setbox\@rightcolumn \vbox{%
14593 \unvbox\@rightcolumn
14594 \vrule height\the\jua@ht width Opt depth Opt
14595 \vskip\stripsep
14596 }%
14597 \fi
14598 \ifnum\jua@sk>0
14599 \remove@strip\jua@sar
14600 \global\@colht\the\jua@pr
14601 \global\advance\@colht by -\ht\@rightcolumn
14602 \global\advance\@colht by\cor@height

```



```

14603         \global\cor@height=0pt
14604     \else
14605         \global\advance\c@colht by-\ht\@rightcolumn
14606         \global\@colht\c@colht
14607     \fi
14608 \else
14609 \global\@firstcolumntrue
14610 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14611     \unvbox\@rightcolumn
14612     \vskip\c@addvipersep
14613     \unvbox\@outputbox
14614     }%
14615 \setbox\@outputbox \vbox {%
14616     \hb@xt@\textwidth {%
14617         \hskip \columnwidth
14618         \hfil
14619         \vrule \@width\columnseprule
14620         \hfil
14621         \hb@xt@\columnwidth {%
14622             \bidi@firstcolumn@status@write%
14623             \box\@leftcolumn \hss}%
14624         \hskip-\textwidth
14625         \hb@xt@\columnwidth {%
14626             \bidi@lastcolumn@status@write%
14627             \box\@outputbox \hss}%
14628         \hskip\columnwidth
14629         \hskip\columnsep}%
14630     }%
14631 \@combinedblfloats
14632 \@setmarks
14633 \@outputpage
14634 \begingroup
14635 \@dblfloatplacement
14636 \@startdblcolumn
14637 \@whiles\if@fcolmade \fi
14638     {\@outputpage
14639     \@startdblcolumn}%
14640 \endgroup
14641 \global\jua@sk=0\global\jua@sar={}
14642 \global\cor@height\z@\global\c@addvipersep\z@
14643 \fi
14644 \fi
14645 }
14646
14647
14648 \def\LTR@outputdblcol{%
14649 \if@firstcolumn
14650 \global \@firstcolumnfalse
14651 \global\setbox\@leftcolumn\copy\@outputbox
14652 \splitmaxdepth\maxdimen

```



```

14653 \vbadness\maxdimen
14654 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14655 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14656 \toks@\expandafter{\topmark}%
14657 \xdef\@firstcoltopmark{\the\toks@}%
14658 \toks@\expandafter{\splitfirstmark}%
14659 \xdef\@firstcolfirstmark{\the\toks@}%
14660 \ifx\@firstcolfirstmark\@empty
14661 \global\let\@setmarks\relax
14662 \else
14663 \gdef\@setmarks{%
14664 \let\firstmark\@firstcolfirstmark
14665 \let\topmark\@firstcoltopmark}%
14666 \fi
14667 \global\c@colht\@colht\global\c@advvipersep\z@
14668 \ifnum\jua@sk>0
14669 \remove@strip\jua@sar
14670 \global\@colht\the\jua@pr
14671 \ifdim\right@cor>\z@
14672 \global\advance\@colht by\right@cor
14673 \fi
14674 \global\advance\@colht by\cor@height
14675 \global\cor@height=0pt
14676 \fi
14677 \global \setbox\@rightcolumn \vbox{%
14678 \else
14679 \ifdim\c@colht>\@colht
14680 \@tempdima\@colht
14681 \ifdim\@colht>\z@
14682 \global\setbox\@rightcolumn \vbox{%
14683 \unvbox\@rightcolumn
14684 \vbox to\@tempdima{%
14685 \vskip\c@advvipersep\unvbox\@outputbox}%
14686 \vskip\stripsep
14687 \vrule height\the\jua@ht width 0pt depth 0pt
14688 \vskip\stripsep
14689 }%
14690 \global\c@advvipersep\m@advvipersep
14691 \else
14692 \global\setbox\@rightcolumn \vbox{%
14693 \unvbox\@rightcolumn
14694 \vrule height\the\jua@ht width 0pt depth 0pt
14695 \vskip\stripsep
14696 }%
14697 \fi
14698 \ifnum\jua@sk>0
14699 \remove@strip\jua@sar
14700 \global\@colht\the\jua@pr
14701 \global\advance\@colht by -\ht\@rightcolumn
14702 \global\advance\@colht by\cor@height

```



```

14703         \global\cor@height=0pt
14704     \else
14705         \global\advance\c@colht by-\ht\@rightcolumn
14706         \global\@colht\c@colht
14707     \fi
14708 \else
14709     \global\@firstcolumntrue
14710     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14711         \unvbox\@rightcolumn
14712         \vskip\c@addvipersep
14713         \unvbox\@outputbox
14714     }%
14715     \setbox\@outputbox \vbox {%
14716         \hb@xt@\textwidth {%
14717             \hb@xt@\columnwidth {%
14718                 \bidi@firstcolumn@status@write%
14719                 \box\@leftcolumn \hss}%
14720             \hfil
14721             \vrule \@width\columnseprule
14722             \hfil
14723             \hb@xt@\columnwidth {%
14724                 \bidi@lastcolumn@status@write%
14725                 \box\@outputbox \hss}%
14726             }%
14727         }%
14728     \@combinedblfloats
14729     \@setmarks
14730     \@outputpage
14731     \begingroup
14732         \@dblfloatplacement
14733         \@startdblcolumn
14734         \@whilesw\if@fcolmade \fi
14735         {\@outputpage
14736          \@startdblcolumn}%
14737     \endgroup
14738     \global\jua@sk=0\global\jua@sar={}
14739     \global\cor@height\z@\global\c@addvipersep\z@
14740     \fi
14741 \fi
14742 }
14743
14744
14745 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14746 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14747     \hsize\textwidth
14748     \@parboxrestore
14749     \col@number \@ne
14750     \vrule height\topskip width0pt depth0pt
14751 }
14752

```





```

14753 \def\endstrip{%
14754     \egroup\egroup
14755     \if@firstcolumn
14756         \ifdim\pagetotal>\z@
14757             \vskip\stripsep
14758             \global\ht@strip\pagegoal
14759             \global\advance\ht@strip by-\pagetotal
14760             \global\advance\ht@strip by-\stripsep
14761             \global\advance\ht@strip by-\ht@viper
14762             \global\advance\ht@strip by-\stripsep
14763             \global\juaht=\ht@viper
14764         \else
14765             \global\ht@strip\z@
14766         \fi
14767         \ifdim\ht@strip>\z@
14768             \unvbox\@viper
14769             \vskip\stripsep
14770             \add@strip{\the\pagetotal}{\the\juaht}{\the\@tempdima}{\the\@tempdimb}%
14771             \global\advance\juaht by1
14772         \else
14773             \@latex@error{Strip needs more place!}\@ehc
14774             \if@vihproof
14775                 \framebox[\columnwidth]{??? Strip ???}%
14776             \fi
14777         \fi
14778     \else
14779         \@latex@error{Strip is used only on left column!}\@ehc
14780         \if@vihproof
14781             \framebox[\columnwidth]{??? Strip ???}%
14782         \fi
14783     \fi
14784 }

```

## 84 File minitoc-xetex-bidi.def

```

14785 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14786 \def\@undottedtocline#1#2#3#4#5{%
14787     \ifnum #1>\c@tocdepth\relax \else
14788         \vskip \z@ plus.2\p@
14789         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
14790         \parindent #2\relax\@afterindenttrue
14791         \interlinepenalty\@M
14792         \leavevmode
14793         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}}%
14794         \hskip -\if@RTL\righskip\else\leftskip\fi
14795         #4\nobreak\hfill \nobreak
14796         \null\par}%
14797     \fi}
14798 \def\@Undottedtocline#1#2#3#4#5{%
14799     \ifnum #1>\c@tocdepth\relax \else

```



```

14800 \vskip \z@ \@plus.2\p@
14801 {\if@RTL\rightrightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightrightskip\fi \@tocmargin
14802 \parindent #2\relax\@afterindenttrue
14803 \interlinepenalty\@M
14804 \leavevmode
14805 \@tempdima #3\relax
14806 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
14807 {\coffefont #4}\nobreak \nobreak\null
14808 \par}%
14809 \fi}
14810 \def\@Undottedtoclinep#1#2#3#4#5{%
14811 \ifnum #1>\c@tocdepth\relax \else
14812 \vskip \z@ \@plus.2\p@
14813 {\if@RTL\rightrightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightrightskip\fi \@tocmargin
14814 \parindent #2\relax\@afterindenttrue
14815 \interlinepenalty\@M
14816 \leavevmode
14817 \@tempdima #3\relax
14818 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
14819 {#4}\nobreak \hfill \nobreak\null
14820 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14821 \par}%
14822 \fi}

```

## 85 File multicol-xetex-bidi.def

```

14823 \ProvidesFile{multicol-xetex-bidi.def}[2019/10/19 v1.2 bidi adaptations for multicol package]
14824 \def\page@sofar{%
14825 \process@cols\mult@rightbox
14826 {\ifvoid\count@
14827 \setbox\count@\hbox to\hsize}%
14828 \else
14829 \wd\count@\hsize
14830 \fi}%
14831 \count@\col@number \advance\count@\m@ne
14832 \mult@info\z@
14833 {Column spec: \the\full@width\space = indent
14834 + columns + sep =\MessageBreak
14835 \the\multicol@leftmargin\space
14836 + \the\col@number\space
14837 x \the\hsize\space
14838 + \the\count@\space
14839 x \the\columnsep
14840 }%
14841 \ifvmode\else\errmessage{Multicol Error}\fi
14842 \nointerlineskip
14843 \setbox\z@\hbox{p}\global\dimen\tw@dp\z@
14844 \moveright\multicol@leftmargin
14845 \hbox to\full@width{%
14846 \bidi@multicol@align@columns

```



```

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

```



```

14897 \fi
14898 }
14899 \newcommand\RTLmulticolcolumns
14900 {\let\bidimulticolalign@columns
14901 \RTL@column@boxes}
14902 \newcommand\LTRmulticolcolumns
14903 {\let\bidimulticolalign@columns
14904 \LTR@column@boxes}
14905 \newcommand\bidimulticolalign@columns
14906 {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14907 \bidi@AtEndPreamble{%
14908 \if@bidi@csdef{footinsv@1}{%
14909 \def\footnoterule{\kern-3\p@
14910 \hrule \@width \textwidth \kern 2.6\p@}%
14911 }{}%
14912 }
14913 \def\multicols#1{\col@number#1\relax
14914 \ifnum\col@number<\tw@
14915 \PackageWarning{multicol}%
14916 {Using `number\col@number'
14917 columns doesn't seem a good idea.^^J
14918 I therefore use two columns instead}%
14919 \col@number\tw@ \fi
14920 \ifnum\col@number>10
14921 \PackageError{multicol}%
14922 {Too many columns}%
14923 {Current implementation doesn't
14924 support more than 10 columns.%
14925 \MessageBreak
14926 I therefore use 10 columns instead}%
14927 \col@number10 \fi
14928 \ifx\@footnotetext\mult@footnotetext\else
14929 \let\orig@footnotetext\@footnotetext
14930 \let\@footnotetext\mult@footnotetext
14931 \fi
14932 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14933 \let\orig@LTRfootnotetext\@LTRfootnotetext
14934 \let\@LTRfootnotetext\mult@LTRfootnotetext
14935 \fi
14936 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14937 \let\orig@RTLfootnotetext\@RTLfootnotetext
14938 \let\@RTLfootnotetext\mult@RTLfootnotetext
14939 \fi
14940 \@ifnextchar[\mult@cols{\mult@cols[]}]
14941 \long\def\mult@footnotetext#1{\begingroup
14942 \hsize\textwidth
14943 \columnwidth\textwidth
14944 \orig@footnotetext{#1}\endgroup}
14945 \long\def\mult@LTRfootnotetext#1{\begingroup
14946 \hsize\textwidth

```



```

14947         \columnwidth\textwidth
14948         \orig@LTRfootnotetext{#1}\endgroup}
14949 \long\def\mult@RTLfootnotetext#1{\begingroup
14950     \hsize\textwidth
14951     \columnwidth\textwidth
14952     \orig@RTLfootnotetext{#1}\endgroup}
14953 \def\right@footnoterule{%
14954     \kern-3\p@
14955     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14956     \kern2.6\p@}
14957 \def\textwidth@footnoterule{\kern-3\p@
14958     \hrule \@width \textwidth \kern 2.6\p@}
14959 \def\bidileave@mult@copyins{%
14960     \advance\dimen@-\skip\@bidi@copyins@
14961     \advance\dimen@-\ht\@bidi@copyins@
14962 }
14963 \bidi@AtEndPreamble{%
14964     \if@bidi@csdef{footinsv@l}{%
14965         \def\bidileave@mult@footins@vr{%
14966             \advance\dimen@-\skip\footinsv@r
14967             \advance\dimen@-\ht\footinsv@r
14968         }%
14969         \def\bidileave@mult@footins@vl{%
14970             \advance\dimen@-\skip\footinsv@l
14971             \advance\dimen@-\ht\footinsv@l
14972         }%
14973         \def\bidinit@mult@footinsv@r{%
14974             \multiply\count\footinsv@r\col@number
14975             \multiply\skip \footinsv@r\col@number
14976         }%
14977         \def\bidinit@mult@footinsv@l{%
14978             \multiply\count\footinsv@l\col@number
14979             \multiply\skip \footinsv@l\col@number
14980         }%
14981         \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
14982             \insert\footinsv@r{}\fi}%
14983         \def\bidireinsert@footnotesv@l{\ifvoid\footinsv@l\else
14984             \insert\footinsv@l{}\fi}%
14985         \bidi@patchcmd{\prepare@multicols}{%
14986             \reinsert@footnotes
14987         }{%
14988             \reinsert@footnotes
14989             \bidi@init@mult@footinsv@r
14990             \bidi@reinsert@footnotesv@r
14991             \bidi@init@mult@footinsv@l
14992             \bidi@reinsert@footnotesv@l
14993         }{}{}%
14994         \bidi@patchcmd{\multi@column@out}{%
14995             \ifnum \c@tracingmulticols>\thr@@
14996             }{%

```



```

14997      \ifvoid\footinsv@r
14998      \ifvoid\footinsv@l
14999      \else
15000      \PackageWarning{multicol}%
15001      {I moved some lines to
15002      the next page.\MessageBreak
15003      Footnotes on page
15004      \thepage\space might be wrong}%
15005      \fi
15006      \else
15007      \PackageWarning{multicol}%
15008      {I moved some lines to
15009      the next page.\MessageBreak
15010      Footnotes on page
15011      \thepage\space might be wrong}%
15012      \fi
15013      \ifnum \c@tracingmulticols>\thr@@
15014      }{}{}%
15015      \bidi@patchcmd{\endmulticols}{%
15016      \reinsert@footnotes
15017      }{%
15018      \reinsert@footnotes
15019      \bidi@reinsert@footnotesv@r
15020      \bidi@reinsert@footnotesv@l
15021      }{}{}%
15022      \bidi@patchcmd{\speci@ls}{%
15023      \reinsert@footnotes
15024      }{%
15025      \reinsert@footnotes
15026      \bidi@reinsert@footnotesv@r
15027      \bidi@reinsert@footnotesv@l
15028      }{}{}%
15029      \bidi@patchcmd{\speci@ls}{%
15030      \reinsert@footnotes
15031      }{%
15032      \reinsert@footnotes
15033      \bidi@reinsert@footnotesv@r
15034      \bidi@reinsert@footnotesv@l
15035      }{}{}%
15036      }{}%
15037      \bidi@patchcmd{\multi@column@out}{%
15038      \ifvbox \@kludgeins
15039      }{%
15040      \if@bidi@csdef{footinsv@l}{%
15041      \divide\skip\footinsv@r\col@number
15042      \ifvoid\footinsv@r \else
15043      \bidi@leave@mult@footins@vr
15044      \fi
15045      \divide\skip\footinsv@l\col@number
15046      \ifvoid\footinsv@l \else

```



```

15047         \bidi@leave@mult@footins@vl
15048         \fi
15049     }{}%
15050     \ifvoid\bidi@copyins@ \else
15051         \bidi@leave@mult@copyins
15052         \fi
15053     \ifvbox \@kludgeins
15054     }{}{}%
15055 }

```

## 86 File multienum-xetex-bidi.def

```

15056 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
15057 \renewcommand{\itemx}[1]{\parbox[t]{%
15058 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15059 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
15060 \renewcommand{\itemxx}[2]{\parbox[t]{%
15061 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15062 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15063 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15064 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
15065 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15066 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15067 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15068 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15069 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
15070 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15071 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
15072 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
15073 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15074 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15075 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15076 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15077 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15078 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
15079 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15080 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
15081 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
15082 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15083 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
15084 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15085 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
15086 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15087 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
15088 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15089 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
15090 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15091 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
15092 \renewcommand{\itemxox}[2]{\parbox[t]{%
15093 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

15094 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15095 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15096 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15097 \renewcommand{\itemxxo}[2]{\parbox[t]{%
15098 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15099 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
15100 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15101 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
15102 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15103 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15104 \parbox[t]{\remainxxx}{\bidi@raggedright #1}\hfill%
15105 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15106 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15107 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15108 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15109 \renewcommand{\itemxxox}[3]{\parbox[t]{%
15110 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15111 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15112 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15113 \parbox[t]{\remainxxx}{\bidi@raggedright #2}\hfill%
15114 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15115 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15116 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
15117 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15118 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15119 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15120 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15121 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15122 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

## 87 File natbib-xetex-bidi.def

```

15123 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
15124 \renewenvironment{thebibliography}[1]{%
15125 \bibsection
15126 \parindent\z@
15127 \bibpreamble
15128 \bibfont
15129 \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
15130 \bidi@@thebibliography@font@hook%
15131 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15132 \ifNAT@openbib
15133 \renewcommand\newblock{\par}%
15134 \else
15135 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15136 \fi
15137 \sloppy\clubpenalty4000\widowpenalty4000
15138 \sfcode`\.\@m
15139 \let\NAT@bibitem@first@sw@firstoftwo
15140 \let\citeN\cite \let\shortcite\cite

```





```

15141 \let\citeasnoun\cite
15142 }{%
15143 \bibitem@fin
15144 \bibpostamble
15145 \def\@noitemerr{%
15146 \PackageWarning{natbib}{Empty `thebibliography' environment}%
15147 }%
15148 \endlist
15149 \bibcleanup
15150 }%

```

## 88 File newfloat-xetex-bidi.def

```

15151 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
15152 \renewcommand*\newfloat@setwithin[2]{%
15153 \ifcsname c@chapter\endcsname
15154 \@removefromreset{#1}{chapter}%
15155 \fi
15156 \@removefromreset{#1}{section}%
15157 \edef\@tempa{#2}%
15158 \ifx\@tempa\@empty
15159 \def\@tempa{none}%
15160 \fi
15161 \def\@tempb{none}%
15162 \ifx\@tempa\@tempb
15163 \ifcsname c@chapter\endcsname
15164 \@chapterlistsgap@off{#1}%
15165 \fi
15166 \newfloat@@setwithin{#1}{\@tempa}%
15167 \else
15168 \def\@tempb{chapter}%
15169 \ifx\@tempa\@tempb
15170 \@addtoreset{#1}{chapter}%
15171 \@chapterlistsgap@on{#1}%
15172 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
15173 \else
15174 \def\@tempb{section}%
15175 \ifx\@tempa\@tempb
15176 \@addtoreset{#1}{section}%
15177 \ifcsname c@chapter\endcsname
15178 \@addtoreset{#1}{chapter}%
15179 \@chapterlistsgap@on{#1}%
15180 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15181 \else
15182 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
15183 \fi
15184 \else
15185 \newfloat@Error{Invalid value `#2' for option `within'}%
15186 \fi
15187 \fi

```



```
15188 \fi}
```

## 89 File ntheorem-xetex-bidi.def

```
15189 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
15190 \gdef\@thm#1#2#3{%
15191   \if@thmmarks
15192     \stepcounter{end\InTheoType ctr}%
15193   \fi
15194   \renewcommand{\InTheoType}{#1}%
15195   \if@thmmarks
15196     \stepcounter{curr#1ctr}%
15197     \setcounter{end#1ctr}{0}%
15198   \fi
15199   \refstepcounter{#2}%
15200   \theorem@prework
15201   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15202   \ifvmode \advance\thm@topsepadd\partopsep\fi
15203   \trivlist
15204   \@topsep \theorempreskipamount
15205   \@topsepadd \thm@topsepadd % used by \@endparenv
15206   \advance\linewidth -\theorem@indent
15207   \advance\@totalleftmargin \theorem@indent
15208   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15209   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

## 90 File ntheorem-hyper-xetex-bidi.def

```
15210 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
15211 \gdef\@thm#1#2#3{%
15212   \if@thmmarks
15213     \stepcounter{end\InTheoType ctr}%
15214   \fi
15215   \renewcommand{\InTheoType}{#1}%
15216   \if@thmmarks
15217     \stepcounter{curr#1ctr}%
15218     \setcounter{end#1ctr}{0}%
15219   \fi
15220   \refstepcounter{#2}%
15221   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15222   \ifvmode \advance\thm@topsepadd\partopsep\fi
15223   \trivlist
15224   \@topsep \theorempreskipamount
15225   \@topsepadd \thm@topsepadd % used by \@endparenv
15226   \advance\linewidth -\theorem@indent
15227   \advance\@totalleftmargin \theorem@indent
15228   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15229   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```



## 91 File overpic-xetex-bidi.def

```

15230 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
15231 \renewenvironment{overpic}[2][\]{%
15232   \sbox{\z@}{\includegraphics[#1]{#2}}%
15233   \settodepth{\@tempcnta}{\usebox{\z@}}%
15234   \settoheight{\@tempcntb}{\usebox{\z@}}%
15235   \advance\@tempcntb\@tempcnta%
15236   \settowidth{\@tempcnta}{\usebox{\z@}}%
15237   \setlength{\@tempdima}{\unitlength}%
15238   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
15239 }%
15240 \OVP@calc%
15241 %
15242 \begin{picture}(\@tempcnta,\@tempcntb)%
15243   \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
15244   \ifGin@grid%
15245     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15246       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15247   \fi\fi%
15248   % reset the graphics parameter
15249   \let\Gin@outer@scalex\relax
15250   \let\Gin@outer@scaley\relax
15251   \let\Gin@angle\relax
15252   \let\Gin@ewidth\Gin@exclamation
15253   \let\Gin@eheight\Gin@ewidth
15254   \def\Gin@scalex{1}
15255   \let\Gin@scaley\Gin@exclamation
15256 }{%
15257   \ifRTL\ifGin@grid%
15258     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15259       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15260   \fi%
15261   \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15262 \end{picture}%
15263 }%

```

## 92 File pdfbase-xetex-bidi.def

```

15264 \ProvidesFile{pdfbase-xetex-bidi.def}[2018/09/29 v0.2 bidi adaptations for pdfbase package for
15265 \ExplSyntaxOn
15266 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15267 \cs_set_nopar:Npn\@outputpage{
15268   \int_gincr:N\g_pbs_page_int
15269   \iow_now:Nx\@mainaux{
15270     \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
15271   }
15272   \box_if_vertical:cTF{\@outputbox}{
15273     \bool_set_true:N\l_pbs_is_vertical_bool
15274   }%

```



```

15275 \bool_set_false:N\l_pbs_is_vertical_bool
15276 }
15277 \hbox_set:Nn\@outputbox{
15278   %begin of page
15279   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15280   \box_use_clear:N\@outputbox
15281   %end of page
15282   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15283 }
15284 \bool_if:NT\l_pbs_is_vertical_bool{
15285   \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
15286 }
15287 \pbs_outputpage_orig:
15288 }
15289 \ExplSyntaxOff

```

## 93 File pdfpages-xetex-bidi.def

```

15290 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15291 \renewcommand*{\includepdf}[2][{}]{%
15292   \begingroup
15293   \@RTLfalse
15294   \let\AM@threadname\relax
15295   \AM@split@options{pdfpages}{#1}%
15296   \edef\AM@temp{\pdfpages}{\the\@temptokena}}%
15297   \expandafter\setkeys\AM@temp
15298   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15299     \let\AM@currentdocname\relax
15300     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
15301     \def\AM@pagecount{0}%
15302   }{%
15303     \AM@findfile{#2}%
15304     \if\AM@threadname\relax
15305       \def\AM@threadname{\AM@currentdocname}%
15306     \fi
15307   }%
15308   \ifAM@survey
15309     \def\AM@pagestemp{}%
15310     \@tempcnta=0
15311     \def\foo{%
15312       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15313       {\let\foo\relax}
15314       {\expandafter\ifx\expandafter\AM@pagestemp\
15315         \edef\AM@pagestemp{%
15316           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
15317       \else
15318         \edef\AM@pagestemp{\AM@pagestemp,%
15319           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
15320       \fi
15321       \advance\@tempcnta 1\relax

```



```

15322     }%
15323     \foo
15324   }%
15325   \foo
15326   \expandafter\ifx\expandafter\\AM@pagestemp\\
15327     \def\AM@pagestemp{1}%
15328   \fi
15329 \fi
15330 \ifAM@output
15331   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15332   \AM@output{#1}%
15333 \fi
15334 \AM@CheckAtEnd
15335 \endgroup
15336 \AM@ClearShipoutPicture
15337 }

```

## 94 File pgfcorescopes.code-xetex-bidi.def

```

15338 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15339 \def\pgfpicture{%
15340   \begingroup%
15341     \ifmmode\else\@RTLfalse\beginL\fi%
15342     \pgfpicturetrue%
15343     \global\advance\pgf@picture@serial@count by1\relax%
15344     \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
15345     \let\pgf@nodecallback=\pgfutil@gobble%
15346     \pgf@picmaxx=-16000pt\relax%
15347     \pgf@picminx=16000pt\relax%
15348     \pgf@picmaxy=-16000pt\relax%
15349     \pgf@picminy=16000pt\relax%
15350     \pgf@relevantforpicturesizetrue%
15351     \pgf@resetpathsizes%
15352     \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
15353 \def\endpgfpicture{%
15354     \ifpgfrememberpicturepositiononpage%
15355       \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15356     \fi%
15357     % ok, now let's position the box
15358     \ifdim\pgf@picmaxx=-16000pt\relax%
15359       % empty picture. make size 0.
15360       \global\pgf@picmaxx=0pt\relax%
15361       \global\pgf@picminx=0pt\relax%
15362       \global\pgf@picmaxy=0pt\relax%
15363       \global\pgf@picminy=0pt\relax%
15364     \fi%
15365     % Shift baseline outside:
15366     \pgf@relevantforpicturesizefalse%
15367     \pgf@process{\pgf@baseline}%
15368     \xdef\pgf@shift@baseline{\the\pgf@y}%

```



```

15369          %
15370          \pgf@process{\pgf@trimleft}%
15371          \global\advance\pgf@x by-\pgf@picminx
15372          % prepare \hskip\pgf@trimleft@final.
15373          % note that \pgf@trimleft@final is also queried
15374          % by the pgf image externalization.
15375          \xdef\pgf@trimleft@final{-\the\pgf@x}%
15376          %
15377          \pgf@process{\pgf@trimright}%
15378          \global\advance\pgf@x by-\pgf@picmaxx
15379          % prepare \hskip\pgf@trimright@final.
15380          % note that \pgf@trimright@final is also queried
15381          % by the pgf image externalization.
15382          \xdef\pgf@trimright@final{\the\pgf@x}%
15383          %
15384          \pgf@remember@layerlist@globally
15385          \endgroup%
15386          \hss%
15387          \egroup%
15388          \pgf@restore@layerlist@from@global
15389          \pgf@insertlayers%
15390          \endgroup%
15391          \pgfsys@discardpath%
15392          \endgroup%
15393          \pgfsys@endscope%
15394          \pgfsys@endpicture%
15395          \endgroup%
15396          \hss
15397        \egroup%
15398        \pgfsys@typesetpicturebox\pgfpic%
15399        \ifmmode\else\endL\fi%
15400      \endgroup%
15401    }

```

## 95 File picinpar-xetex-bidi.def

```

15402 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15403 \long\def\@makewincaption#1#2{%
15404   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15405   \ifdim\wd\@tempboxa>\picwd
15406     {\footnotesize{\bf #1:\enspace}{#2\par}}
15407   \else
15408     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15409   \fi}
15410 \def\endwindow{%
15411   \global\tcd=\tcdsav
15412   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15413   \vbadness=10000
15414   \splittopskip=0pt
15415 %

```



```

15416 % Typeset the lines above the window
15417 %
15418 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15419 \tcn=\tcd
15420 \loop\advance\tcn -1
15421 \setbox\fslice=\vsplit\holder to\baselineskip
15422 \prune\fslice\linewidth
15423 \topheight=0pt
15424 \ifnum\dp\fslice>\dp\wstrutbox
15425     \advance\topheight-\dp\fslice
15426     \advance\topheight\dp\wstrutbox
15427     \advance\topheight\ilg\fi
15428 \hbox to\linewidth{\box\fslice}
15429 \vskip-\topheight
15430 \ifdim\ht\holder>0pt\repeat
15431 \fi
15432 %
15433 % Now we build the boxes beside the window
15434 %
15435 \global\topheight=\tcl\baselineskip
15436 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15437     \global\topheight=\vpic
15438 \fi
15439 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15440 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15441 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15442 \tcn=\tcl \na=0 \nb=0
15443 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15444 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15445 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15446 \ifnum\na=0\ifnum\nb=0
15447     \setbox\waslice=\vbox to\vpic{\vss}
15448     \setbox\wbslice=\vbox to\vpic{\vss}
15449     \bl=1\br=1
15450     \vskip\ilg
15451 \fi\fi
15452 %
15453 % both sides
15454 %
15455 \ifnum\na>0 \ifnum\nb>0
15456 \loop\advance\nb -1
15457 \advance\na -1
15458 \if@RTL%
15459 \setbox\bslice=\vsplit\holder to\baselineskip
15460 \prune\bslice\rtside
15461 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15462 to\rtside{\box\bslice\hfil}}
15463 \setbox\aslice=\vsplit\holder to\baselineskip
15464 \prune\aslice\lftside
15465 \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

15466 to\lftside{\box\aslice\hfil}}
15467 \else%
15468 \setbox\aslice=\vsplit\holder to\baselineskip
15469 \prune\aslice\lftside
15470 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15471 to\lftside{\box\aslice\hfil}}
15472 \setbox\bslice=\vsplit\holder to\baselineskip
15473 \prune\bslice\rtside
15474 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15475 to\rtside{\box\bslice\hfil}}
15476 \fi%
15477 \ifnum\nb>0\repeat
15478 \fi\fi
15479 %
15480 % only text on the left side
15481 %
15482 \ifnum\na>0
15483   \loop\advance\na -1
15484   \setbox\aslice=\vsplit\holder to\baselineskip
15485   \prune\aslice\lftside
15486   \setbox\waslice=\vbox{\unvbox\waslice\hbox
15487   to\lftside{\box\aslice\hfil}}
15488   \ifdim\ht\holder>0pt\repeat
15489 \fi
15490 %
15491 % only text on the right side
15492 %
15493 \ifnum\nb>0
15494   \loop\advance\nb -1
15495   \setbox\bslice=\vsplit\holder to\baselineskip
15496   \prune\bslice\rtside
15497   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15498   to\rtside{\box\bslice\hfil}}
15499   \ifdim\ht\holder>0pt\repeat
15500 \fi
15501 %
15502 % fixing the dimensions of the window part
15503 %
15504 \ifnum\bl=0\topheight=\ht\wbslice
15505 \else\ifnum\br=0\topheight=\ht\waslice
15506   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15507   \else\topheight=\ht\wbslice\fi\fi\fi
15508 %
15509 % ship out the window material to the main vertical list
15510 %
15511 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15512 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15513 \fi\fi\fi
15514 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15515 \ifnum\bl>0\box\waslice\hfill\fi%

```





```

15516 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15517 \vfill\unvbox\picbox%
15518 \ifnum\picwd>0\vfill\fi%
15519 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15520 \unvbox\windowbox%
15521 \loop
15522 \setbox\bslice=\vsplit\rawtext to\baselineskip
15523 \prune\bslice\linewidth
15524 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15525 \unvbox\wbslice
15526 \ifdim\ht\rawtext>0pt
15527 \repeat
15528 }% FINITO

```

## 96 File plain-xetex-bidi.def

```

15529 \def\TeXXeTOn{\TeXXeTstate=1 }
15530 \def\TeXXeTOff{\TeXXeTstate=0 }
15531 \TeXXeTOn
15532 \def\usebox#1{\leavevmode\copy #1\relax}
15533 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15534 \let\bidi@o@everypar=\everypar
15535 \newtoks\bidi@n@everypar
15536 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15537 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15538 \let\everypar=\bidi@n@everypar
15539 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15540 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15541 \protected\def\hboxR{\hbox\bgroup
15542 \everyhbox{%
15543 \aftergroup\egroup
15544 \everyhbox{}}%
15545 \beginR
15546 \@hboxRconstructtrue
15547 \bgroup
15548 \aftergroup\endR
15549 \aftergroup\egroup
15550 }\hbox}
15551 \protected\def\hboxL{\hbox\bgroup
15552 \everyhbox{%
15553 \aftergroup\egroup
15554 \everyhbox{}}%
15555 \beginL
15556 \@hboxRconstructfalse
15557 \bgroup
15558 \aftergroup\endL
15559 \aftergroup\egroup
15560 }\hbox}
15561 \protected\def\vboxR{\vbox\bgroup
15562 \everyvbox{%

```



```

15563 \aftergroup\egroup
15564 \everyvbox{}%
15565 \@RTLtrue
15566 \bgroup
15567 \aftergroup\egroup
15568 }\vbox}
15569 \protected\def\vboxL{\vbox\bgroup
15570 \everyvbox{}%
15571 \aftergroup\egroup
15572 \everyvbox{}%
15573 \@RTLfalse
15574 \bgroup
15575 \aftergroup\egroup
15576 }\vbox}
15577 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15578 \def\endLTR{\par}
15579 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15580 \def\endRTL{\par}
15581 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15582 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15583 \let\unsetRTL=\setLTR
15584 \let\unsetLTR=\setRTL
15585 \let\LR=\LRE
15586 \let\RL=\RLE
15587 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15588 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15589 \let\@ensure@RL=\@ensure@RTL
15590 \let\@ensure@LR=\@ensure@LTR
15591 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15592 \let\@ensure@maindir=\@ensure@dir
15593 \def\@@RTL{RTL}
15594 \def\@@LTR{LTR}
15595 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15596 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi\fi}
15597 \let\@@TeX\TeX
15598 \def\TeX{\@ensure@LTR{\@@TeX}}
15599 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
15600 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
15601 \ifvoid\footins\else % footnote info is present
15602 \vskip\skip\footins
15603 \footnoterule
15604 \unvbox\footins\fi
15605 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
15606 \ifvoid\@bidi@copyins@
15607 \else
15608 \vskip\skip\@bidi@copyins@
15609 \unvbox\@bidi@copyins@
15610 \fi
15611 }
15612 \long\def\bidi@reflect@box#1{%

```



```

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

```

## 97 File pstricks-xetex-bidi.def

```

15630 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15631 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15632 \def\endpspicture{%
15633 \ifshowgrid\ifnum\showgridp>0
15634 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15635 \pst@killglue
15636 % \global\pst@shift=\pst@shift% in fact of the following endgroup
15637 \endgroup
15638 \egroup
15639 \ifdim\wd\pst@hbox=\z@\else
15640 %\@pstrickserr{Extraneous space in the pspicture environment}%
15641 %\Type \space <return> \space to proceed.}%
15642 \fi
15643 \ht\pst@hbox=\pst@dimd
15644 \dp\pst@hbox=-\pst@dimb
15645 \setbox\pst@hbox=\hbox{%
15646 \kern-\pst@dimd
15647 % Orig version -----
15648 %\ifx\pst@tempa\@empty\else
15649 %\advance\pst@dimd-\pst@dimb
15650 %\pst@dimd=\pst@tempa\pst@dimd
15651 %\advance\pst@dimd\pst@dimb
15652 %\lower\pst@dimd
15653 %\fi
15654 %----- end Orig
15655 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15656 \advance\pst@dimd-\pst@dimb
15657 \pst@dimd=0.5\pst@dimd
15658 \else\pst@dimd-\pst@shift\fi
15659 \advance\pst@dimd\pst@dimb

```



```

15660 \lower\pst@dimd
15661 \box\pst@hbox
15662 \kern\pst@dimc}%
15663 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15664 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15665 \fboxsep=0pt
15666 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15667 \ifmmode\else\endL\fi
15668 \endgroup%
15669 \psset{pstricks}{shift=0}% reset value
15670 }

```

## 98 File quotchap-xetex-bidi.def

```

15671 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15672 \renewcommand{\qauthor}[1]{%
15673 \par\smallskip
15674 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
15675 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15676 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15677 {\chapnumfont
15678 \ifnum \c@secnumdepth >\m@ne%
15679 \if@mainmatter\thechapter%
15680 \fi\fi
15681 \par\nobreak}%
15682 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10\p
15683 \nobreak\chapterheadendvskip}}
15684 \renewcommand*{\@iprintcites}{%
15685 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15686 \global\let\@printcites\relax}

```

## 99 File ragged2e-xetex-bidi.def

```

15687 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
15688 \renewcommand{\Centering}{%
15689 \ifx\\ \@raggedtwoe@savedcr
15690 \let\\ \@centercr
15691 \fi
15692 \let\@gnewline\@raggedtwoe@gnewline
15693 \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
15694 \@rightskip\CenteringRightskip
15695 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15696 \parfillskip\CenteringParfillskip
15697 \parindent\CenteringParindent
15698 \@raggedtwoe@spaceskiptrue
15699 \@raggedtwoe@everyselectfont
15700 }
15701 \renewcommand{\RaggedLeft}{%
15702 \ifx\\ \@raggedtwoe@savedcr
15703 \let\\ \@centercr

```



```

15704 \fi
15705 \let\@gnewline\@raggedtwoe@gnewline
15706 \if@RTL\righskip\else\leftskip\fi\RaggedLeftLeftskip
15707 \@rightskip\RaggedLeftRightskip
15708 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15709 \parfillskip\RaggedLeftParfillskip
15710 \parindent\RaggedLeftParindent
15711 \@raggedtwoe@spaceskiptrue
15712 \@raggedtwoe@everyselectfont
15713 }
15714 \renewcommand{\RaggedRight}{%
15715 \ifx\\ \@raggedtwoe@savedcr
15716 \let\\ \@centercr
15717 \fi
15718 \let\@gnewline\@raggedtwoe@gnewline
15719 \if@RTL\righskip\else\leftskip\fi\RaggedRightLeftskip
15720 \@rightskip\RaggedRightRightskip
15721 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15722 \parfillskip\RaggedRightParfillskip
15723 \parindent\RaggedRightParindent
15724 \@raggedtwoe@spaceskiptrue
15725 \@raggedtwoe@everyselectfont
15726 }
15727 \renewcommand{\justifying}{%
15728 \let\\ \@raggedtwoe@savedcr
15729 \let\@gnewline\@raggedtwoe@saved@gnewline
15730 \if@RTL\righskip\else\leftskip\fi\z@
15731 \@rightskip\z@
15732 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15733 \parfillskip\JustifyingParfillskip
15734 \parindent\JustifyingParindent
15735 \@raggedtwoe@spaceskipfalse
15736 \@raggedtwoe@everyselectfont
15737 }
15738 \def\@raggedtwoe@raggedrightboxes@opt{%
15739 \renewcommand{\arrayparboxrestore}{%
15740 \let\if@nobreak\iffalse
15741 \let\if@noskipsec\iffalse
15742 \let\par\@par
15743 \let\-\@dischyph
15744 \let'\@acci\let`\@accii\let\=\@acciii
15745 \parskip\z@skip
15746 \everypar{}%
15747 \linewidth\hsize
15748 \@totalleftmargin\z@
15749 \if@RTL
15750 \RaggedLeft
15751 \else
15752 \RaggedRight
15753 \fi

```



```

15754 \lineskip\normallineskip
15755 \baselineskip\normalbaselineskip
15756 \sloppy}%
15757 \let\@raggedtwoe@raggedrightboxes@opt\relax
15758 }
15759 \def\@raggedtwoe@document@opt{%
15760 \AtBeginDocument{\@raggedtwoe@abdhook}%
15761 \@raggedtwoe@raggedrightboxes@opt
15762 \@raggedtwoe@footmisctrue
15763 \let\@raggedtwoe@document@opt\relax
15764 }
15765 \def\@raggedtwoe@abdhook{%
15766 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
15767 right to left documents and '\string\RaggedRight' for left
15768 to right documents}%
15769 \if@RTL
15770 \RaggedLeft
15771 \else
15772 \RaggedRight
15773 \fi
15774 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
15775 \let\@raggedtwoe@abdhook\relax
15776 }
15777 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
15778 \@raggedtwoe@raggedrightboxes@opt
15779 }{}
15780 \@ifpackagewith{ragged2e}{document}{%
15781 \@raggedtwoe@document@opt
15782 }{}
15783 \let\origin@RaggedLeft=\RaggedLeft
15784 \let\origin@RaggedRight=\RaggedRight
15785 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15786 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 100 File rapport1-xetex-bidi.def

```

15787 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15788 \renewenvironment{theindex}{%
15789 \if@twocolumn
15790 \@restonecolfalse
15791 \else
15792 \@restonecoltrue
15793 \fi
15794 \columnseprule \z@
15795 \columnsep 35\p@
15796 \twocolumn[\@makeschapterhead{\indexname}]{%
15797 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15798 \thispagestyle{plain}\parindent\z@
15799 \parskip\z@ \@plus .3\p@\relax
15800 \let\item\@idxitem

```



```

15801 }{%
15802 \if@restonecol\onecolumn\else\clearpage\fi}
15803 \renewcommand*\head@style{%
15804 \interlinepenalty \@M
15805 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15806 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15807 \if@titlepage
15808 \renewenvironment{abstract}{%
15809 \titlepage
15810 \null\vfil
15811 \section*{\SectFont\abstractname}%
15812 \noindent\ignorespaces}
15813 {\par\vfil\null\endtitlepage}
15814 \else
15815 \renewenvironment{abstract}{%
15816 \if@twocolumn
15817 \section*{\abstractname}%
15818 \else
15819 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15820 \section*{\small\SectFont\abstractname}%
15821 \noindent\ignorespaces
15822 \fi}
15823 {\if@twocolumn\else\par\egroup\fi}
15824 \fi
15825 \renewcommand*\@regtocline[3]{%
15826 \ifnum #1>\c@tocdepth
15827 \else
15828 \vskip\z@ \@plus.2\p@
15829 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15830 \if@RTL\rightskip\else\leftskip\fi\unitindent
15831 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
15832 \parfillskip\z@
15833 \@tempdima\unitindent
15834 \parindent\z@
15835 \leavevmode
15836 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15837 \hskip 1em \nobreak{\slshape #3}\par
15838 }%
15839 \fi}
15840 \if@oldtoc
15841 \renewcommand*\l@part[2]{%
15842 \ifnum \c@tocdepth >-2\relax
15843 \addpenalty{-\@highpenalty}%
15844 \addvspace{2.25em \@plus\p@}%
15845 \begingroup
15846 \setlength\@tempdima{3em}%
15847 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15848 \parfillskip -\@pnumwidth
15849 {\leavevmode
15850 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par

```



```

15851         \nobreak
15852         \global\@nobreaktrue
15853         \everypar{\global\@nobreakfalse\everypar{}}%
15854     \endgroup
15855 \fi}
15856 \else
15857     \renewcommand*\l@part{%
15858         \ifnum \c@tocdepth >-2\relax
15859             \addpenalty{-\@highpenalty}%
15860             \addvspace{2.25em \@plus \p@}%
15861             \regtocline{0}%
15862         \fi}
15863 \fi
15864 \if@oldtoc
15865 \renewcommand*\l@chapter[2]{%
15866     \addpenalty{-\@highpenalty}%
15867     \vskip 1.0em \@plus\p@
15868     \setlength\@tempdima{1.5em}%
15869     \begingroup
15870     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15871     \parfillskip -\@pnumwidth
15872     \leavevmode \bfseries
15873     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15874     \hskip -\if@RTL\rightskip\else\leftskip\fi
15875     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15876     \penalty\@highpenalty
15877 \endgroup}
15878 \else
15879 \renewcommand*\l@chapter{\@regtocline{0}}
15880 \fi
15881 \renewcommand*\left@footnoterule{%
15882     \kern-3\p@
15883     \kern.5\baselineskip
15884     \hrule\@width\unitindent
15885     \kern.4\baselineskip
15886 }
15887 \renewcommand*\right@footnoterule{%
15888     \kern-3\p@
15889     \kern.5\baselineskip
15890     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15891     \kern.4\baselineskip}
15892 \renewenvironment{thebibliography}[1]
15893     {\chapter*{\bibname}%
15894         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15895         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15896         \bidi@thebibliography@font@hook%
15897         \list{\@biblabel{\@arabic\c@enumiv}}%
15898             {\settowidth\labelwidth{\@biblabel{#1}}%
15899             \leftmargin\labelwidth
15900             \advance\leftmargin\labelsep

```





```

15901         \@openbib@code
15902         \usecounter{enumiv}%
15903         \let\p@enumiv\@empty
15904         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15905     \sloppy\clubpenalty4000\widowpenalty4000%
15906     \sfcode`. \. \@m}
15907     {\def\@noitemerr
15908     {\@latex@warning{Empty `thebibliography' environment}}}%
15909     \endlist}
15910 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15911 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
15912 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
15913 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
15914 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
15915 \renewcommand*\theequation{%
15916 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15917 \renewcommand*\thefigure{%
15918 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15919 \renewcommand*\thetable{%
15920 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15921 \if@titlepage
15922 \renewcommand*\TitleFont{\rmfamily}
15923 \renewcommand*\maketitle{%
15924 \begin{titlepage}%
15925     \let\footnotesize\small
15926     \let\right@footnoterule\relax
15927     \let\left@footnoterule\relax
15928     \let\textwidth@footnoterule\relax
15929     \let \footnote \thanks
15930     \long\def\@makefnmark##1{\parindent\z@
15931         \def\labelitemi{\textendash}\@revlabeltrue
15932         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15933     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15934     \if@compatibility\setcounter{page}{0}\fi
15935     \null\vfil
15936     \vskip 60\p@
15937     \begin{center}%
15938         \TitleFont
15939         {\LARGE \def\\{\penalty -\@M}
15940         \if@allcaps
15941             \expandafter\uc@nothanks\@title\thanks\relax
15942         \else
15943             \@title
15944             \fi\par}%
15945         \vskip 3em%
15946         {\large
15947             \lineskip .75em \parindent\z@
15948             \begin{tabular}[t]{c}%
15949                 \if@allcaps
15950                     \expandafter\uc@authornothanks\@author\and\relax

```



```

15951         \else
15952             \@author
15953         \fi
15954     \end{tabular}\par}%
15955     \vskip 1.5em%
15956     {\large
15957         \if@allcaps
15958             \uppercase\expandafter{\@date}%
15959         \else
15960             \@date
15961         \fi\par}%
15962     \end{center}\par
15963     \@thanks
15964     \vfil\null
15965 \end{titlepage}%
15966 \setcounter{footnote}{0}%
15967 \global\let\thanks\relax
15968 \global\let\maketitle\relax
15969 \global\let\@thanks\@empty
15970 \global\let\@author\@empty
15971 \global\let\@title\@empty
15972 \global\let\@date\@empty
15973 \global\let\title\relax
15974 \global\let\author\relax
15975 \global\let\date\relax
15976 \global\let\and\relax
15977 }
15978 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15979 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15980     \futurelet\@tempa\uc@ax}
15981 \def\uc@ax{%
15982     \ifx\@tempa\relax
15983     \else
15984         \\\ \andname \\\ \expandafter\uc@authornothanks
15985     \fi}
15986 \def\uc@tx{\ifx\@tempa\relax
15987     \else \expandafter\uc@ty \fi}
15988 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15989 \else
15990 \renewcommand*\maketitle{\par
15991     \begin{group}
15992         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15993         \def\@makefnmark{\rlap{%
15994             \@textsuperscript{\normalfont\@thefnmark}}}%
15995         \long\def\@makefntext{\@xmakefntext{%
15996             \@textsuperscript{\normalfont\@thefnmark}}}%
15997         \if@twocolumn
15998             \ifnum \col@number=\@ne
15999                 \@maketitle
16000             \else

```



```

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

```

## 101 File rapport3-xetex-bidi.def

```

16042 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
16043 \renewenvironment{theindex}{%
16044     \if@twocolumn
16045         \@restonecolfalse
16046     \else
16047         \@restonecoltrue

```



```

16048 \fi
16049 \columnseprule \z@
16050 \columnsep 35\p@
16051 \twocolumn[\@makeschapterhead{\indexname}]%
16052 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
16053 \thispagestyle{plain}\parindent\z@
16054 \parskip\z@ \@plus .3\p@\relax
16055 \let\item\@idxitem
16056 }{%
16057 \if@restonecol\onecolumn\else\clearpage\fi}
16058 \if@titlepage
16059 \renewcommand*{\TitleFont{\rmfamily}}
16060 \renewcommand*{\maketitle{%
16061   \begin{titlepage}%
16062     \let\footnotesize\small
16063     \let\right@footnoterule\relax
16064     \let\left@footnoterule\relax
16065     \let\textwidth\footnoterule\relax
16066     \let \footnote \thanks
16067     \let \LTRfootnote \LTRthanks
16068     \let \RTLfootnote \RTLthanks
16069     \long\def\@makefnmark##1{\parindent\z@
16070       \def\labelitemi{\textendash}\@revlabeltrue
16071       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16072     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16073     \if@compatibility\setcounter{page}{0}\fi
16074     \null\vfil
16075     \vskip 60\p@
16076     \begin{center}%
16077       \TitleFont
16078       {\LARGE \def\\{\penalty -\@M}
16079         \if@allcaps
16080           \expandafter\uc@nothanks\@title\thanks\relax
16081         \else
16082           \@title
16083         \fi\par}%
16084     \vskip 3em%
16085     {\large
16086       \lineskip .75em \parindent\z@
16087       \begin{tabular}[t]{c}%
16088         \if@allcaps
16089           \expandafter\uc@authornothanks\@author\and\relax
16090         \else
16091           \@author
16092         \fi
16093       \end{tabular}\par}%
16094     \vskip 1.5em%
16095     {\large
16096       \if@allcaps
16097         \uppercase\expandafter{\@date}%

```



```

16098         \else
16099             \@date
16100         \fi\par}%
16101     \end{center}\par
16102     \@thanks
16103     \vfil\null
16104 \end{titlepage}%
16105 \setcounter{footnote}{0}%
16106 \global\let\thanks\relax
16107 \global\let\LTRthanks\relax
16108 \global\let\RTLthanks\relax
16109 \global\let\maketitle\relax
16110 \global\let\@thanks\@empty
16111 \global\let\@author\@empty
16112 \global\let\@title\@empty
16113 \global\let\@date\@empty
16114 \global\let\title\relax
16115 \global\let\author\relax
16116 \global\let\date\relax
16117 \global\let\and\relax
16118 }
16119 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16120 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16121     \futurelet\@tempa\uc@ax}
16122 \def\uc@ax{%
16123     \ifx\@tempa\relax
16124     \else
16125         \\\andname \\\expandafter\uc@authornothanks
16126     \fi}
16127 \def\uc@tx{\ifx\@tempa\relax
16128     \else \expandafter\uc@ty \fi}
16129 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16130 \else
16131 \renewcommand*\maketitle{\par
16132     \begingroup
16133     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16134     \def\@makefnmark{\rlap{%
16135         \@textsuperscript{\normalfont\@thefnmark}}}%
16136     \long\def\@makefntext{\@xmakefntext{%
16137         \@textsuperscript{\normalfont\@thefnmark}}}%
16138     \if@twocolumn
16139         \ifnum \col@number=\@ne
16140             \@maketitle
16141         \else
16142             \twocolumn[\@maketitle]%
16143         \fi
16144     \else
16145         \newpage
16146         \global\@topnum\z@
16147         \@maketitle

```



```

16148 \fi
16149 \thispagestyle{plain}\@thanks
16150 \endgroup
16151 \setcounter{footnote}{0}%
16152 \global\let\thanks\relax
16153 \global\let\LTRthanks\relax
16154 \global\let\RTLthanks\relax
16155 \global\let\maketitle\relax
16156 \global\let\@maketitle\relax
16157 \global\let\@thanks\@empty
16158 \global\let\@author\@empty
16159 \global\let\@title\@empty
16160 \global\let\@date\@empty
16161 \global\let\title\relax
16162 \global\let\author\relax
16163 \global\let\date\relax
16164 \global\let\and\relax
16165 }
16166 \def\@maketitle{%
16167 \newpage
16168 \null
16169 \vskip 2em%
16170 \if@titlecentered
16171 \begin{center}%
16172 \let \footnote \thanks
16173 \let \LTRfootnote \LTRthanks
16174 \let \RTLfootnote \RTLthanks
16175 {\LARGE \TitleFont \@title \par}%
16176 \vskip 1.5em%
16177 {\large \TitleFont
16178 \lineskip .5em%
16179 \begin{tabular}[t]{c}%
16180 \@author
16181 \end{tabular}\par}%
16182 \vskip 1em%
16183 {\large \TitleFont \@date}%
16184 \end{center}%
16185 \else
16186 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
16187 {\large \TitleFont \lineskip .5em \tabcolsep\z@
16188 \def\and{%% \begin{tabular} has already started
16189 \end{tabular}\hskip 1em plus .17fil
16190 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
16191 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par
16192 \vskip 1em {\large \TitleFont \@date}
16193 \fi
16194 \par
16195 \vskip 1.5em}
16196 \fi
16197 \renewcommand*\@regtocline[3]{%

```



```

16198 \ifnum #1>\c@tocdepth
16199 \else
16200 \vskip\z@\@plus.2\p@
16201 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
16202 \if@RTL\rightskip\else\leftskip\fi\unitindent
16203 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
16204 \parfillskip\z@
16205 \@tempdima\unitindent
16206 \parindent\z@
16207 \leavevmode
16208 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
16209 \hskip 1em \nobreak{\slshape #3}\par
16210 }%
16211 \fi}
16212 \if@oldtoc
16213 \renewcommand*\l@part[2]{%
16214 \ifnum \c@tocdepth >-2\relax
16215 \addpenalty{-\@highpenalty}%
16216 \addvspace{2.25em \@plus\p@}%
16217 \begingroup
16218 \setlength\@tempdima{3em}%
16219 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16220 \parfillskip -\@pnumwidth
16221 {\leavevmode
16222 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16223 \nobreak
16224 \global\@nobreaktrue
16225 \everypar{\global\@nobreakfalse\everypar{}}%
16226 \endgroup
16227 \fi}
16228 \else
16229 \renewcommand*\l@part{%
16230 \ifnum \c@tocdepth >-2\relax
16231 \addpenalty{-\@highpenalty}%
16232 \addvspace{2.25em \@plus \p@}%
16233 \@regtocline{0}%
16234 \fi}
16235 \fi
16236 \if@oldtoc
16237 \renewcommand*\l@chapter[2]{%
16238 \addpenalty{-\@highpenalty}%
16239 \vskip 1.0em \@plus\p@
16240 \setlength\@tempdima{1.5em}%
16241 \begingroup
16242 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16243 \parfillskip -\@pnumwidth
16244 \leavevmode \bfseries
16245 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16246 \hskip -\if@RTL\rightskip\else\leftskip\fi
16247 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```



```

16248 \penalty\@highpenalty
16249 \endgroup}
16250 \else
16251 \renewcommand*\l@chapter{\@regtocline{0}}
16252 \fi
16253 \renewcommand*\head@style{%
16254 \interlinepenalty \@M
16255 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16256 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16257 \if@titlepage
16258 \renewenvironment{abstract}{%
16259 \titlepage
16260 \null\vfil
16261 \section*{\SectFont\abstractname}%
16262 \noindent\ignorespaces}
16263 {\par\vfil\null\endtitlepage}
16264 \else
16265 \renewenvironment{abstract}{%
16266 \if@twocolumn
16267 \section*{\abstractname}%
16268 \else
16269 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16270 \section*{\small\SectFont\abstractname}%
16271 \noindent\ignorespaces
16272 \fi}
16273 {\if@twocolumn\else\par\egroup\fi}
16274 \fi
16275 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16276 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16277 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16278 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16279 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16280 \renewcommand*\thefigure{%
16281 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16282 \renewcommand*\thetable{%
16283 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16284 \renewcommand*\theequation{%
16285 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16286 \renewenvironment{thebibliography}[1]
16287 {\chapter*{\bibname}%
16288 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16289 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16290 \bidi@thebibliography@font@hook%
16291 \list{\@biblabel{\@arabic\c@enumiv}}%
16292 {\settowidth\labelwidth{\@biblabel{#1}}%
16293 \leftmargin\labelwidth
16294 \advance\leftmargin\labelsep
16295 \@openbib@code
16296 \usecounter{enumiv}%
16297 \let\p@enumiv\@empty

```





```

16298         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16299         \sloppy\clubpenalty4000\widowpenalty4000%
16300         \sfcode`\.\@m}
16301     {\def\@noitemerr
16302      {\@latex@warning{Empty `thebibliography' environment}}}%
16303     \endlist}
16304 \renewcommand*\left@footnoterule{%
16305   \kern-3\p@
16306   \kern.5\baselineskip
16307   \hrule\@width\unitindent
16308   \kern.4\baselineskip
16309 }
16310 \renewcommand*\right@footnoterule{%
16311   \kern-3\p@
16312   \kern.5\baselineskip
16313   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16314   \kern.4\baselineskip}
16315 \renewcommand*\head@style{%
16316   \interlinepenalty \@M
16317   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16318   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

## 102 File refrep-xetex-bidi.def

```

16319 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe
16320 \if@titlepage
16321   \renewcommand\maketitle{\begin{titlepage}%
16322     \let\footnotesize\small
16323     \let\right@footnoterule\relax
16324     \let\left@footnoterule\relax
16325     \let\textwidth\footnoterule\relax
16326     \let\footnote\thanks
16327     \let\LTRfootnote\LTRthanks
16328     \let\RTLfootnote\RTLthanks
16329     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16330     \def\@makefnmark%
16331       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16332     \long\def\@makefntext##1{%
16333       \@setpar{\@par
16334         \@tempdima = \hsize
16335         \advance\@tempdima -1em
16336         \parshape \@ne 1em \@tempdima}%
16337       \par\parindent 1em \noindent
16338       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16339     \null\vfil
16340     \vskip 60\p@
16341     \begin{center}%
16342       {\LARGE \@title \par}%
16343       \vskip 3em%
16344       {\large

```



```

16345 \lineskip .75em%
16346 \begin{tabular}[t]{c}%
16347 \@author
16348 \end{tabular}\par}%
16349 \vskip 1.5em%
16350 {\large \@date \par}% % Set date in \large size.
16351 \end{center}\par
16352 \@thanks
16353 \vfil\null
16354 \end{titlepage}%
16355 \setcounter{footnote}{0}%
16356 \global\let\thanks\relax
16357 \global\let\LTRthanks\relax
16358 \global\let\RTLthanks\relax
16359 \global\let\maketitle\relax
16360 \global\let\@thanks\@empty
16361 \global\let\@author\@empty
16362 \global\let\@date\@empty
16363 \global\let\@title\@empty
16364 \global\let\title\relax
16365 \global\let\author\relax
16366 \global\let\date\relax
16367 \global\let\and\relax
16368 }
16369 \else
16370 \renewcommand\maketitle{\par
16371 \begingroup
16372 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16373 \def\@makefnmark%
16374 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16375 \long\def\@makefntext##1{%
16376 \setpar{\@par
16377 \@tempdima = \hsize
16378 \advance\@tempdima -1em
16379 \parshape \@ne 1em \@tempdima}%
16380 \par\parindent 1em \noindent
16381 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16382 \if@twocolumn
16383 \ifnum \col@number=\@ne
16384 \maketitle
16385 \else
16386 \twocolumn[\maketitle]%
16387 \fi
16388 \else
16389 \newpage
16390 \global\@topnum\z@ % Prevents figures from going at top of page.
16391 \maketitle
16392 \fi
16393 \thispagestyle{empty}\@thanks
16394 \endgroup

```



```

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

```



```

16445 \addpenalty{-\@highpenalty}%
16446 \vskip 1.0em \@plus\p@
16447 \setlength\@tempdima{1.5em}%
16448 \beginingroup
16449 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16450 \parfillskip -\@pnumwidth
16451 \leavevmode \bfseries
16452 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16453 \hskip -\if@RTL\rightskip\else\leftskip\fi
16454 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16455 \penalty\@highpenalty
16456 \endgroup
16457 \fi}
16458 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16459 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16460 \hyphenpenalty=2000}
16461 \renewcommand\left@footnoterule{%
16462 \kern-3\p@
16463 \hrule\@width.4\columnwidth
16464 \kern 2.6\p@}
16465 \renewcommand\right@footnoterule{%
16466 \kern-3\p@
16467 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16468 \kern2.6\p@}
16469 \renewcommand\theequation
16470 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16471 \renewcommand\thefigure
16472 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16473 \renewcommand\thetable%
16474 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16475 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16476 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
16477 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\csubsubsection}
16478 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16479 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
16480 \renewenvironment{thebibliography}[1]
16481 {\chapter*\bibname
16482 \@mkboth{\bibname}{\bibname}}%
16483 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16484 \bidi@@thebibliography@font@hook%
16485 \list{\@biblabel{\@arabic\c@enumiv}}%
16486 {\settowidth\labelwidth{\@biblabel{#1}}%
16487 \leftmargin\labelwidth
16488 \advance\leftmargin\labelsep
16489 \@openbib@code
16490 \usecounter{enumiv}%
16491 \let\p@enumiv\@empty
16492 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16493 \sloppy
16494 \clubpenalty4000

```



```

16495         \@clubpenalty \clubpenalty
16496         \widowpenalty4000%
16497         \sfcode`\.=\@m}
16498     {\def\@noitemerr
16499         {\@latex@warning{Empty `thebibliography' environment}}}%
16500     \endlist}

```

## 103 File report-xetex-bidi.def

```

16501 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16502 \renewenvironment{theindex}
16503     {\if@twocolumn
16504         \@restonecolfalse
16505         \else
16506             \@restonecoltrue
16507         \fi
16508         \columnseprule \z@
16509         \columnsep 35\p@
16510         \twocolumn[\@makeschapterhead{\indexname}]%
16511         \@mkboth{\MakeUppercase\indexname}%
16512                 {\MakeUppercase\indexname}%
16513         \thispagestyle{plain}\parindent\z@
16514         \parskip\z@ \@plus .3\p@\relax
16515         \let\item\@idxitem}
16516     {\if@restonecol\onecolumn\else\clearpage\fi}
16517 \if@titlepage
16518 \renewcommand\maketitle{\begin{titlepage}%
16519 \let\footnotesize\small
16520 \let\right@footnoterule\relax
16521 \let\left@footnoterule\relax
16522 \let\textwidth@footnoterule\relax
16523 \let \footnote \thanks
16524 \let \LTRfootnote \LTRthanks
16525 \let \RTLfootnote \RTLthanks
16526 \null\vfil
16527 \vskip 60\p@
16528 \begin{center}%
16529     {\LARGE \@title \par}%
16530     \vskip 3em%
16531     {\large
16532         \lineskip .75em%
16533         \begin{tabular}[t]{c}%
16534             \@author
16535         \end{tabular}\par}%
16536         \vskip 1.5em%
16537         {\large \@date \par}%           % Set date in \large size.
16538 \end{center}\par
16539 \@thanks
16540 \vfil\null
16541 \end{titlepage}%

```



```

16542 \setcounter{footnote}{0}%
16543 \global\let\thanks\relax
16544 \global\let\LTRthanks\relax
16545 \global\let\RTLthanks\relax
16546 \global\let\maketitle\relax
16547 \global\let\@thanks\@empty
16548 \global\let\@author\@empty
16549 \global\let\@date\@empty
16550 \global\let\@title\@empty
16551 \global\let\title\relax
16552 \global\let\author\relax
16553 \global\let\date\relax
16554 \global\let\and\relax
16555 }
16556 \else
16557 \renewcommand\maketitle{\par
16558 \begingroup
16559   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16560   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16561   \long\def\@makefntext##1{\parindent 1em\noindent
16562     \hb@xt@1.8em{%
16563       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16564   \if@twocolumn
16565     \ifnum \col@number=\@ne
16566       \@maketitle
16567     \else
16568       \twocolumn[\@maketitle]%
16569     \fi
16570   \else
16571     \newpage
16572     \global\@topnum\z@ % Prevents figures from going at top of page.
16573     \@maketitle
16574   \fi
16575   \thispagestyle{plain}\@thanks
16576 \endgroup
16577 \setcounter{footnote}{0}%
16578 \global\let\thanks\relax
16579 \global\let\LTRthanks\relax
16580 \global\let\RTLthanks\relax
16581 \global\let\maketitle\relax
16582 \global\let\@maketitle\relax
16583 \global\let\@thanks\@empty
16584 \global\let\@author\@empty
16585 \global\let\@date\@empty
16586 \global\let\@title\@empty
16587 \global\let\title\relax
16588 \global\let\author\relax
16589 \global\let\date\relax
16590 \global\let\and\relax
16591 }

```



```

16592 \def\@maketitle{%
16593   \newpage
16594   \null
16595   \vskip 2em%
16596   \begin{center}%
16597     \let \footnote \thanks
16598     \let \LTRfootnote \LTRthanks
16599     \let \RTLfootnote \RTLthanks
16600     {\LARGE \@title \par}%
16601     \vskip 1.5em%
16602     {\large
16603       \lineskip .5em%
16604       \begin{tabular}[t]{c}%
16605         \@author
16606         \end{tabular}\par}%
16607     \vskip 1em%
16608     {\large \@date}%
16609   \end{center}%
16610   \par
16611   \vskip 1.5em}
16612 \fi
16613 \renewcommand*\l@part[2]{%
16614   \ifnum \c@tocdepth >-2\relax
16615     \addpenalty{-\@highpenalty}%
16616     \addvspace{2.25em \@plus\p@}%
16617     \setlength\@tempdima{3em}%
16618     \begingroup
16619       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16620       \parfillskip -\@pnumwidth
16621       {\leavevmode
16622         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16623       \nobreak
16624       \global\@nobreaktrue
16625       \everypar{\global\@nobreakfalse\everypar{}}%
16626     \endgroup
16627   \fi}
16628 \renewcommand*\l@chapter[2]{%
16629   \ifnum \c@tocdepth >\m@ne
16630     \addpenalty{-\@highpenalty}%
16631     \vskip 1.0em \@plus\p@
16632     \setlength\@tempdima{1.5em}%
16633     \begingroup
16634       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16635       \parfillskip -\@pnumwidth
16636       \leavevmode \bfseries
16637       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16638       \hskip -\if@RTL\rightskip\else\leftskip\fi
16639       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16640       \penalty\@highpenalty
16641     \endgroup

```



```

16642 \fi}
16643 \renewcommand\left@footnoterule{%
16644 \kern-3\p@
16645 \hrule\@width.4\columnwidth
16646 \kern2.6\p@}
16647 \renewcommand\right@footnoterule{%
16648 \kern-3\p@
16649 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16650 \kern2.6\p@}
16651 \renewcommand\theequation
16652 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16653 \renewcommand \thefigure
16654 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16655 \renewcommand \thetable
16656 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16657 \renewcommand \thechapter {\@arabic\c@chapter}
16658 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16659 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16660 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16661 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16662 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16663 \def\@makechapterhead#1{%
16664 \vspace*{50\p@}%
16665 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16666 \ifnum \c@secnumdepth >\m@ne
16667 \huge\bfseries \@chapapp\space \thechapter
16668 \par\nobreak
16669 \vskip 20\p@
16670 \fi
16671 \interlinepenalty\@M
16672 \Huge \bfseries #1\par\nobreak
16673 \vskip 40\p@
16674 }}
16675 \def\@makeschapterhead#1{%
16676 \vspace*{50\p@}%
16677 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16678 \normalfont
16679 \interlinepenalty\@M
16680 \Huge \bfseries #1\par\nobreak
16681 \vskip 40\p@
16682 }}
16683 \renewenvironment{thebibliography}[1]
16684 {\chapter*{\bibname}%
16685 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16686 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16687 \bidi@thebibliography@font@hook%
16688 \list{\@biblabel{\@arabic\c@enumiv}}%
16689 {\settowidth\labelwidth{\@biblabel{#1}}%
16690 \leftmargin\labelwidth
16691 \advance\leftmargin\labelsep

```





```

16692         \@openbib@code
16693         \usecounter{enumiv}%
16694         \let\p@enumiv\@empty
16695         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16696     \sloppy
16697     \clubpenalty4000
16698     \@clubpenalty \clubpenalty
16699     \widowpenalty4000%
16700     \sfcode`\.\@m}
16701 {\def\@noitemerr
16702   {\@latex@warning{Empty `thebibliography' environment}}}%
16703 \endlist}

```

## 104 File rotating-xetex-bidi.def

```

16704 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16705 \def\end@rotfloat{%
16706   \end{minipage}\end{lrbox}%
16707   \stepcounter{r@tfl@t}%
16708   \rot@label{RF\ther@tfl@t}%
16709   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16710   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16711   \rot@mess@toks\expandafter{\@tempa}
16712   \wd\rot@float@box\z@
16713   \ht\rot@float@box\z@
16714   \dp\rot@float@box\z@
16715   \vboxL to \textheight{%
16716     \setkeys{Grot}{units=360}%
16717     \if@rot@twoside
16718     \else
16719       \let\R@@page\rot@LR
16720     \fi
16721     \ifthenelse{\isodd{\R@@page}}{%
16722       \if@rot@twoside
16723         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16724       \fi
16725       \vfill
16726       \@@line{%
16727         \hskip\rotFPtop
16728         \rotatebox{90}{\box\rot@float@box}%
16729         \hskip\rotFPbot
16730       }%
16731     }{%
16732       \if@rot@twoside
16733         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16734       \fi
16735       \@@line{%
16736         \hskip\rotFPbot
16737         \rotatebox{-90}{\box\rot@float@box}%
16738         \hskip\rotFPtop

```



```

16739     }%
16740     \vfill
16741     }%
16742     \rot@message{\the\rot@mess@toks}
16743 }%
16744 \end@float
16745 }
16746 \let\endsidewaysfigure\end@rotfloat
16747 \let\endsidewaysstable\end@rotfloat
16748 \def\end@rotdblfloat{%
16749   \end{minipage}\end{lrbox}%
16750   \stepcounter{r@tfl@t}%
16751   \rot@label{RF\ther@tfl@t}%
16752   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16753   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16754   \rot@mess@toks\expandafter{\@tempa}
16755   \@tempdima\ht\rot@float@box
16756   \advance\@tempdima by \dp\rot@float@box
16757   \wd\rot@float@box\z@
16758   \ht\rot@float@box\z@
16759   \dp\rot@float@box\z@
16760   \vboxL to \textheight{%
16761     \setkeys{Grot}{units=360}%
16762     \if@rot@twoside
16763       \else
16764         \let\R@@page\rot@LR
16765       \fi
16766       \ifthenelse{isodd{\R@@page}}{-%
16767         \ifrot@messages
16768           \if@rot@twoside
16769             \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16770           \fi
16771           \fi
16772           \vfill
16773           \@@line{%
16774             \hskip\rotFPtop
16775             \rotatebox{90}{\box\rot@float@box}%
16776             \hskip\rotFPbot
16777           }%
16778         }{%
16779           \ifrot@messages
16780             \if@rot@twoside
16781             \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16782           \fi
16783           \fi%
16784           \@@line{%
16785             \hskip\rotFPbot
16786             \rotatebox{-90}{\box\rot@float@box}%
16787             \hskip\rotFPtop
16788           }%

```



```

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

```

## 105 File `scrartcl-xetex-bidi.def`

```

16833 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16834 \newcommand{\scr@saved@LTRfootnotetext}{}
16835 \newcommand{\scr@saved@RTLfootnotetext}{}

```



```

16836 \let\scr@saved@footnotetext\@footnotetext
16837 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16838 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16839 \renewcommand{\@footnotetext}[1]{%
16840   \scr@saved@footnotetext{#1}%
16841   \csname FN@mf@prepare\endcsname
16842 }
16843 \renewcommand{\@LTRfootnotetext}[1]{%
16844   \scr@saved@LTRfootnotetext{#1}%
16845   \csname FN@mf@prepare\endcsname
16846 }
16847 \renewcommand{\@RTLfootnotetext}[1]{%
16848   \scr@saved@RTLfootnotetext{#1}%
16849   \csname FN@mf@prepare\endcsname
16850 }
16851 \renewcommand\deffootnote[4][]{%
16852   \long\def\@makefnmark##1{%
16853     \setlength{\@tempdimc}{#3}%
16854     \def\@tempa{#1}\ifx\@tempa\@empty
16855       \setpar{\@par
16856         \@tempdima = \hsize
16857         \addtolength{\@tempdima}{-#2}%
16858         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16859       \else
16860         \addtolength{\@tempdimc}{#2}%
16861         \addtolength{\@tempdimc}{-#1}%
16862         \setpar{\@par
16863           \@tempdima = \hsize
16864           \addtolength{\@tempdima}{-#1}%
16865           \@tempdimb = \hsize
16866           \addtolength{\@tempdimb}{-#2}%
16867           \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2}%
16868         }%
16869       \fi
16870       \par
16871       \parindent\@tempdimc\noindent
16872       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16873     }%
16874   \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
16875 }
16876 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16877 \renewcommand*\left@footnoterule{%
16878   \normalsize\ftn@rule@test@values
16879   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16880   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16881   {\usekomafont{footnoterule}{%
16882     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16883   \kern 2.6\p@}
16884 \renewcommand*\right@footnoterule{%
16885   \normalsize\ftn@rule@test@values

```



```

16886 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16887 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16888 {\usekomafont{footnoterule}{%
16889 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16890 \kern 2.6\p@}
16891 \renewcommand*\maketitle[1][1]{%
16892 \if@titlepage
16893 \begin{titlepage}
16894 \setcounter{page}{%
16895 #1%
16896 }%
16897 \let\footnotesize\small
16898 \let\right@footnoterule\relax
16899 \let\left@footnoterule\relax
16900 \let\textwidth@footnoterule\relax
16901 \let\footnote\thanks
16902 \let\LTRfootnote\LTRthanks
16903 \let\RTLfootnote\RTLthanks
16904 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16905 \let\@oldmakefnmark\@makefnmark
16906 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16907 \ifx\@extratitle\@empty \else
16908 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16909 \thispagestyle{empty}%
16910 \fi
16911 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16912 \ifx\@titlehead\@empty \else
16913 \begin{minipage}[t]{\textwidth}%
16914 \@titlehead
16915 \end{minipage}\par
16916 \fi
16917 \null\vfill
16918 \begin{center}
16919 \ifx\@subject\@empty \else
16920 {\subject@font \@subject \par}%
16921 \vskip 3em
16922 \fi
16923 {\titlefont\huge \@title\par}%
16924 \vskip 1em
16925 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16926 \vskip 2em
16927 {\Large \lineskip 0.75em
16928 \begin{tabular}[t]{c}
16929 \@author
16930 \end{tabular}\par
16931 }%
16932 \vskip 1.5em
16933 {\Large \@date \par}%
16934 \vskip \z@ \@plus3fill
16935 {\Large \@publishers \par}%

```



```

16936      \vskip 3em
16937      \end{center}\par
16938      \@thanks
16939      \vfill\null
16940      \if@twoside\next@tpage
16941      \begin{minipage}[t]{\textwidth}
16942      \@uppertitleback
16943      \end{minipage}\par
16944      \vfill
16945      \begin{minipage}[b]{\textwidth}
16946      \@lowertitleback
16947      \end{minipage}
16948      \fi
16949      \ifx\@dedication\@empty \else
16950      \next@tpage\null\vfill
16951      {\centering \Large \@dedication \par}%
16952      \vskip \z@ \@plus3fill
16953      \if@twoside \next@tpage\cleardoubleemptypage \fi
16954      \fi
16955      \end{titlepage}
16956      \else
16957      \par
16958      \@tempcnta=%
16959      #1%
16960      \relax\ifnum\@tempcnta=1\else
16961      \ClassWarning{KOMAClassName}{%
16962      Optional argument of \string\maketitle\space ignored
16963      at\MessageBreak
16964      notitlepage-mode%
16965      }%
16966      \fi
16967      \begingroup
16968      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16969      \let\oldmakefnmark\makefnmark
16970      \renewcommand*\@makefnmark{\rlap\oldmakefnmark}
16971      \if@twocolumn
16972      \ifnum \col@number=\@one
16973      \@maketitle
16974      \else
16975      \twocolumn[\@maketitle]%
16976      \fi
16977      \else
16978      \newpage
16979      \global\@topnum\z@
16980      \@maketitle
16981      \fi
16982      \thispagestyle{\titlepagestyle}\@thanks
16983      \endgroup
16984      \fi
16985      \setcounter{footnote}{0}%

```



```

16986 \let\thanks\relax
16987 \let\LTRthanks\relax
16988 \let\RTLthanks\relax
16989 \let\maketitle\relax
16990 \let\@maketitle\relax
16991 \global\let\@thanks\@empty
16992 \global\let\@author\@empty
16993 \global\let\@date\@empty
16994 \global\let\@title\@empty
16995 \global\let\@subtitle\@empty
16996 \global\let\@extratitle\@empty
16997 \global\let\@titlehead\@empty
16998 \global\let\@subject\@empty
16999 \global\let\@publishers\@empty
17000 \global\let\@uppertitleback\@empty
17001 \global\let\@lowertitleback\@empty
17002 \global\let\@dedication\@empty
17003 \global\let\author\relax
17004 \global\let\title\relax
17005 \global\let\extratitle\relax
17006 \global\let\titlehead\relax
17007 \global\let\subject\relax
17008 \global\let\publishers\relax
17009 \global\let\uppertitleback\relax
17010 \global\let\lowertitleback\relax
17011 \global\let\dedication\relax
17012 \global\let\date\relax
17013 \global\let\and\relax
17014 }%
17015 \renewcommand*{\@maketitle}{%
17016 \clearpage
17017 \let\footnote\thanks
17018 \let\LTRfootnote\LTRthanks
17019 \let\RTLfootnote\RTLthanks
17020 \ifx\@extratitle\@empty \else
17021 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17022 \fi
17023 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17024 \ifx\@titlehead\@empty \else
17025 \begin{minipage}[t]{\textwidth}
17026 \@titlehead
17027 \end{minipage}\par
17028 \fi
17029 \null
17030 \vskip 2em%
17031 \begin{center}%
17032 \ifx\@subject\@empty \else
17033 {\subject@font \@subject \par}
17034 \vskip 1.5em
17035 \fi

```



```

17036 {\titlefont\huge \@title \par}%
17037 \vskip .5em
17038 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17039 \vskip 1em
17040 {\Large
17041   \lineskip .5em%
17042   \begin{tabular}[t]{c}
17043     \@author
17044   \end{tabular}\par
17045 }%
17046 \vskip 1em%
17047 {\Large \@date \par}%
17048 \vskip \z@ \@plus 1em
17049 {\Large \@publishers \par}
17050 \ifx\@dedication\@empty \else
17051   \vskip 2em
17052   {\Large \@dedication \par}
17053   \fi
17054 \end{center}}%
17055 \par
17056 \vskip 2em
17057 }%
17058 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17059 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
17060 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17061 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
17062 \renewcommand*\thesubsubsection{\%
17063   \thesubsection\@SepMark\@arabic\c@subsubsection
17064 }
17065 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17066 \renewcommand*\thesubparagraph{\%
17067   \theparagraph\@SepMark\@arabic\c@subparagraph
17068 }
17069 \renewenvironment{thebibliography}[1]{%
17070   \if@bib@break@
17071     \bib@beginhook
17072   \else
17073     \bib@heading
17074     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17075       \noindent\bibpreamble\par\nobreak
17076     \fi\fi
17077     \bib@beginhook
17078     \bib@before@hook
17079   \fi
17080   \renewcommand{\BreakBibliography}[1]{%
17081     \@bib@break
17082     \end{thebibliography}%
17083     \begingroup ##1\endgroup
17084     \begin{thebibliography}\#1}
17085   }%

```





```

17086 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17087 \bidi@thebibliography@font@hook%
17088 \list{%
17089   \@biblabel{\@arabic\c@enumiv}%
17090 }{%
17091   \settowidth\labelwidth{\@biblabel{#1}}%
17092   \leftmargin\labelwidth
17093   \advance\leftmargin\labelsep
17094   \@openbib@code
17095   \if@bib@break@
17096     \edef\@tempa{%
17097       \noexpand\usecounter{enumiv}%
17098       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17099     }\@tempa
17100     \no@bib@break
17101   \else
17102     \usecounter{enumiv}%
17103   \fi
17104   \let\p@enumiv\@empty
17105   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17106 }%
17107 \sloppy\clubpenalty4000 \widowpenalty4000
17108 \sfcode`\.=\@m
17109 }{%
17110 \if@bib@break@
17111   \def\@noitemerr{%
17112     \@latex@warning{%
17113       \string\BreakBibliography\space at begin of `thebibliography'
17114       environment\MessageBreak
17115       or following \string\BreakBibliography}%
17116   }%
17117 \else
17118   \def\@noitemerr{%
17119     \@latex@warning{%
17120       Empty `thebibliography' environment or
17121       \string\BreakBibliography\MessageBreak
17122       before end of `thebibliography' environment}%
17123   }%
17124 \fi
17125 \endlist
17126 \if@bib@break@
17127 \else
17128   \bib@after@hook
17129   \let\bib@before@hook\@empty
17130   \let\bib@after@hook\@empty
17131 \fi
17132 \bib@endhook
17133 }
17134 \renewcommand*\left@footnoterule{%
17135   \kern-3\p@

```



```

17136 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17137 \hrule\@width.4\columnwidth
17138 \kern 2.6\p@}
17139 \renewcommand*\right@footnoterule{%
17140 \kern-3\p@
17141 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17142 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17143 \kern2.6\p@}
17144 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
17145 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
17146 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
17147 \renewcommand\marginline[1]{%
17148 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17149 }
17150 \renewcommand{\@@makecaption}[3]{%
17151 \cap@margin
17152 \ifonelinecaptions
17153 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17154 \let\scr@tmp@footnotetext=\@footnotetext
17155 \let\@footnotetext=\@gobble
17156 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17157 \let\@LTRfootnotetext=\@gobble
17158 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17159 \let\@RTLfootnotetext=\@gobble
17160 \sbox\@tempboxa{%
17161 {\capfont{\strut\ignorespaces
17162 #1{\caplabelfont{#2\captionformat}}}%
17163 #3\unskip\strut}}%
17164 }%
17165 \let\@footnotetext=\scr@tmp@footnotetext
17166 \let\scr@tmp@footnotetext=\undefined
17167 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17168 \let\scr@tmp@LTRfootnotetext=\undefined
17169 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17170 \let\scr@tmp@RTLfootnotetext=\undefined
17171 \setcounter{footnote}{\@tempcntb}%
17172 \setcounter{mpfootnote}{\@tempcnta}%
17173 \else
17174 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17175 \fi
17176 \begingroup%
17177 \setlength{\@tempdima}{\cap@width}%
17178 \ifdim \wd\@tempboxa >\@tempdima
17179 \hb@xt@\hsize{%
17180 \setbox\@tempboxa\vbox{\hsize=\cap@width
17181 \ifdoofullc@p
17182 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17183 #1{\caplabelfont{#2\captionformat}}}}}%
17184 {\#3\unskip\strut\par}}}%
17185 \else%

```



```

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

```



```

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

```



```

17286 \expandafter\renewcommand%
17287 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17288 \expandafter\renewcommand%
17289 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17290 \expandafter\renewcommand%
17291 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17292   \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17293 \expandafter\renewcommand\expandafter*%
17294 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17295 }
17296
17297 \CloneTOCEntryStyle{tocline}{section}
17298 \TOCEntryStyleStartInitCode{section}{%
17299   \expandafter\renewcommand%
17300   \csname scr@tso@#1@linefill\endcsname{%
17301     \if@sectionentrywithdots
17302       \TOCLineLeaderFill\relax
17303     \else
17304       \hfill
17305     \fi
17306   }%
17307   % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
17308   \expandafter\renewcommand%
17309   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
17310   \expandafter\renewcommand%
17311   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
17312   \expandafter\renewcommand\expandafter*%
17313   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17314 }
17315
17316 \CloneTOCEntryStyle{tocline}{subsection}
17317 \TOCEntryStyleStartInitCode{subsection}{%
17318   \expandafter\renewcommand%
17319   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17320 }
17321
17322 \CloneTOCEntryStyle{subsection}{default}
17323
17324 \DeclareSectionCommand[%
17325   style=part,%
17326   level=\z@,%
17327   tocstyle=part,%
17328   toplevel=\m@ne,%
17329   tocindent=\z@,%
17330   tocnumwidth=2em%
17331 ]{part}
17332 \DeclareSectionCommand[%
17333   style=section,%
17334   level=1,%
17335   indent=\z@,%

```



```

17336 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17337 afterskip=2.3ex \@plus .2ex,%
17338 tocstyle=section,%
17339 tocindent=0pt,%
17340 tocnumwidth=1.5em%
17341 ]{section}
17342 \DeclareSectionCommand[%
17343   style=section,%
17344   level=2,%
17345   indent=\z@,%
17346   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
17347   afterskip=1.5ex \@plus .2ex,%
17348   tocstyle=subsection,%
17349   tocindent=1.5em,%
17350   tocnumwidth=2.3em%
17351 ]{subsection}
17352 \DeclareSectionCommand[%
17353   style=section,%
17354   level=3,%
17355   indent=\z@,%
17356   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
17357   afterskip=1.5ex \@plus .2ex,%
17358   tocstyle=subsection,%
17359   tocindent=3.8em,%
17360   tocnumwidth=3.2em%
17361 ]{subsubsection}
17362 \DeclareSectionCommand[%
17363   style=section,%
17364   level=4,%
17365   indent=\z@,%
17366   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17367   afterskip=-1em,%
17368   tocstyle=subsection,%
17369   tocindent=7.0em,%
17370   tocnumwidth=4.1em%
17371 ]{paragraph}
17372 \DeclareSectionCommand[%
17373   style=section,%
17374   level=5,%
17375   indent=\scr@parindent,%
17376   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17377   afterskip=-1em,%
17378   tocstyle=subsection,%
17379   tocindent=10em,%
17380   tocnumwidth=5em%
17381 ]{subparagraph}

```

## 106 File scrbook-xetex-bidi.def

```

17382 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for L

```



```

17383 \newcommand{\scr@saved@LTRfootnotetext}{}
17384 \newcommand{\scr@saved@RTLfootnotetext}{}
17385 \let\scr@saved@footnotetext\@footnotetext
17386 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17387 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17388 \renewcommand{\@footnotetext}[1]{%
17389   \scr@saved@footnotetext{#1}%
17390   \csname FN@mf@prepare\endcsname
17391 }
17392 \renewcommand{\@LTRfootnotetext}[1]{%
17393   \scr@saved@LTRfootnotetext{#1}%
17394   \csname FN@mf@prepare\endcsname
17395 }
17396 \renewcommand{\@RTLfootnotetext}[1]{%
17397   \scr@saved@RTLfootnotetext{#1}%
17398   \csname FN@mf@prepare\endcsname
17399 }
17400 \renewcommand\deffootnote[4][1]{%
17401   \long\def\@makefnmark##1{%
17402     \setlength{\@tempdimc}{#3}%
17403     \def\@tempa{#1}\ifx\@tempa\@empty
17404       \setpar{\@par
17405         \@tempdima = \hsize
17406         \addtolength{\@tempdima}{-#2}%
17407         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17408       \else
17409         \addtolength{\@tempdimc}{#2}%
17410         \addtolength{\@tempdimc}{-#1}%
17411         \setpar{\@par
17412           \@tempdima = \hsize
17413           \addtolength{\@tempdima}{-#1}%
17414           \@tempdimb = \hsize
17415           \addtolength{\@tempdimb}{-#2}%
17416           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
17417         }%
17418       \fi
17419       \par
17420       \parindent\@tempdimc\noindent
17421       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17422     }%
17423   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17424 }
17425 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17426 \renewcommand*\left@footnoterule{%
17427   \normalsize\ftn@rule@test@values
17428   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
17429   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17430   {\usekomafont{footnoterule}{%
17431     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17432   \kern 2.6\p@}

```



```

17433 \renewcommand*\right@footnoterule{%
17434   \normalsize\ftn@rule@test@values
17435   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17436   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17437   {\usekomafont{footnoterule}{%
17438     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17439     \kern 2.6\p@}
17440 \renewcommand*\maketitle[1][1]{%
17441   \if@titlepage
17442     \begin{titlepage}
17443       \setcounter{page}{%
17444         #1%
17445       }%
17446       \let\footnotesize\small
17447       \let\right@footnoterule\relax
17448       \let\left@footnoterule\relax
17449       \let\textwidth@footnoterule\relax
17450       \let\footnote\thanks
17451       \let\LTRfootnote\LTRthanks
17452       \let\RTLfootnote\RTLthanks
17453       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17454       \let\@oldmakefnmark\@makefnmark
17455       \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
17456       \ifx\@extratitle\@empty \else
17457         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17458         \thispagestyle{empty}%
17459       \fi
17460       \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
17461       \ifx\@titlehead\@empty \else
17462         \begin{minipage}[t]{\textwidth}%
17463           \@titlehead
17464         \end{minipage}\par
17465       \fi
17466       \null\vfill
17467       \begin{center}
17468         \ifx\@subject\@empty \else
17469           {\subject@font \@subject \par}%
17470           \vskip 3em
17471         \fi
17472         {\titlefont\huge \@title\par}%
17473         \vskip 1em
17474         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17475         \vskip 2em
17476         {\Large \lineskip 0.75em
17477           \begin{tabular}[t]{c}
17478             \@author
17479           \end{tabular}\par
17480         }%
17481         \vskip 1.5em
17482         {\Large \@date \par}%

```





```

17483      \vskip \z@ \@plus3fill
17484      {\Large \@publishers \par}%
17485      \vskip 3em
17486    \end{center}\par
17487    \@thanks
17488    \vfill\null
17489    \if@twoside\next@tpage
17490      \begin{minipage}[t]{\textwidth}
17491        \@uppertitleback
17492      \end{minipage}\par
17493      \vfill
17494      \begin{minipage}[b]{\textwidth}
17495        \@lowertitleback
17496      \end{minipage}
17497    \fi
17498    \ifx\@dedication\@empty \else
17499      \next@tpage\null\vfill
17500      {\centering \Large \@dedication \par}%
17501      \vskip \z@ \@plus3fill
17502      \if@twoside \next@tpage\cleardoubleemptypage \fi
17503    \fi
17504    \end{titlepage}
17505  \else
17506    \par
17507    \@tempcnta=%
17508    #1%
17509    \relax\ifnum\@tempcnta=1\else
17510      \ClassWarning{\KOMAClassName}{%
17511        Optional argument of \string\maketitle\space ignored
17512        at\MessageBreak
17513        notitlepage-mode%
17514      }%
17515    \fi
17516    \begingroup
17517      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17518      \let\@oldmakefnmark\@makefnmark
17519      \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17520      \if@twocolumn
17521        \ifnum \col@number=\@ne
17522          \@maketitle
17523        \else
17524          \twocolumn[\@maketitle]%
17525        \fi
17526      \else
17527        \newpage
17528        \global\@topnum\z@
17529        \@maketitle
17530      \fi
17531      \thispagestyle{\titlepagestyle}\@thanks
17532    \endgroup

```



```

17533 \fi
17534 \setcounter{footnote}{0}%
17535 \let\thanks\relax
17536 \let\LTRthanks\relax
17537 \let\RTLthanks\relax
17538 \let\maketitle\relax
17539 \let\@maketitle\relax
17540 \global\let\@thanks\@empty
17541 \global\let\@author\@empty
17542 \global\let\@date\@empty
17543 \global\let\@title\@empty
17544 \global\let\@subtitle\@empty
17545 \global\let\@extratitle\@empty
17546 \global\let\@titlehead\@empty
17547 \global\let\@subject\@empty
17548 \global\let\@publishers\@empty
17549 \global\let\@uppertitleback\@empty
17550 \global\let\@lowertitleback\@empty
17551 \global\let\@dedication\@empty
17552 \global\let\author\relax
17553 \global\let\title\relax
17554 \global\let\extratitle\relax
17555 \global\let\titlehead\relax
17556 \global\let\subject\relax
17557 \global\let\publishers\relax
17558 \global\let\uppertitleback\relax
17559 \global\let\lowertitleback\relax
17560 \global\let\dedication\relax
17561 \global\let\date\relax
17562 \global\let\and\relax
17563 }%
17564 \renewcommand*{\@maketitle}{%
17565 \clearpage
17566 \let\footnote\thanks
17567 \let\LTRfootnote\LTRthanks
17568 \let\RTLfootnote\RTLthanks
17569 \ifx\@extratitle\@empty \else
17570 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17571 \fi
17572 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17573 \ifx\@titlehead\@empty \else
17574 \begin{minipage}[t]{\textwidth}
17575 \@titlehead
17576 \end{minipage}\par
17577 \fi
17578 \null
17579 \vskip 2em%
17580 \begin{center}%
17581 \ifx\@subject\@empty \else
17582 {\subject@font \@subject \par}

```



```

17583     \vskip 1.5em
17584     \fi
17585     {\titlefont\huge \@title \par}%
17586     \vskip .5em
17587     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17588     \vskip 1em
17589     {\Large
17590       \lineskip .5em%
17591       \begin{tabular}[t]{c}
17592         \@author
17593       \end{tabular}\par
17594     }%
17595     \vskip 1em%
17596     {\Large \@date \par}%
17597     \vskip \z@ \@plus 1em
17598     {\Large \@publishers \par}
17599     \ifx\@dedication\@empty \else
17600       \vskip 2em
17601       {\Large \@dedication \par}
17602     \fi
17603     \end{center}%
17604     \par
17605     \vskip 2em
17606 }%
17607 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17608 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17609 \renewcommand*\thesection{%
17610   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17611     \if@mainmatter\thechapter\@SepMark\fi
17612   \else
17613     \thechapter\@SepMark%
17614   \fi
17615   \@arabic\c@section
17616 }
17617 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17618 \renewcommand*{\thesubsubsection}{%
17619   \thesubsection\@SepMark\@arabic\c@subsubsection
17620 }
17621 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17622 \renewcommand*{\thesubparagraph}{%
17623   \theparagraph\@SepMark\@arabic\c@subparagraph
17624 }
17625 \renewcommand*\thefigure{%
17626   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17627     \if@mainmatter\thechapter\@SepMark\fi
17628   \else
17629     \thechapter\@SepMark%
17630   \fi
17631   \@arabic\c@figure
17632 }

```



```

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

```



```

17683 \fi
17684 \let\p@enumiv\@empty
17685 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17686 }%
17687 \sloppy\clubpenalty4000 \widowpenalty4000
17688 \sfcode`\.=\@m
17689 }{%
17690 \if@bib@break@
17691 \def\@noitemerr{%
17692 \@latex@warning{%
17693 \string\BreakBibliography\space at begin of `thebibliography'
17694 environment\MessageBreak
17695 or following \string\BreakBibliography}%
17696 }%
17697 \else
17698 \def\@noitemerr{%
17699 \@latex@warning{%
17700 Empty `thebibliography' environment or
17701 \string\BreakBibliography\MessageBreak
17702 before end of `thebibliography' environment}%
17703 }%
17704 \fi
17705 \endlist
17706 \if@bib@break@
17707 \else
17708 \bib@after@hook
17709 \let\bib@before@hook\@empty
17710 \let\bib@after@hook\@empty
17711 \fi
17712 \bib@endhook
17713 }
17714 \renewcommand*\left@footnoterule{%
17715 \kern-3\p@
17716 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17717 \hrule\@width.4\columnwidth
17718 \kern 2.6\p@}
17719 \renewcommand*\right@footnoterule{%
17720 \kern-3\p@
17721 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17722 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17723 \kern2.6\p@}
17724 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17725 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17726 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17727 \renewcommand\marginline[1]{%
17728 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17729 }
17730 \renewcommand{\@makecaption}[3]{%
17731 \cap@margin
17732 \ifonlinecaptions

```



```

17733 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17734 \let\scr@tmp@footnotetext=\@footnotetext
17735 \let\@footnotetext=\@gobble
17736 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17737 \let\@LTRfootnotetext=\@gobble
17738 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17739 \let\@RTLfootnotetext=\@gobble
17740 \sbox\@tempboxa{%
17741   {\capfont{\strut\ignorespaces
17742     #1{\caplabelfont{#2\captionformat}}}%
17743     #3\unskip\strut}}%
17744 }%
17745 \let\@footnotetext=\scr@tmp@footnotetext
17746 \let\scr@tmp@footnotetext=\undefined
17747 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17748 \let\scr@tmp@LTRfootnotetext=\undefined
17749 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17750 \let\scr@tmp@RTLfootnotetext=\undefined
17751 \setcounter{footnote}{\@tempcntb}%
17752 \setcounter{mpfootnote}{\@tempcnta}%
17753 \else
17754 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17755 \fi
17756 \begingroup%
17757 \setlength{\@tempdima}{\cap@width}%
17758 \ifdim \wd\@tempboxa >\@tempdima
17759 \hb@xt@\hsize{%
17760   \setbox\@tempboxa\vbox{\hsize=\cap@width
17761     \ifdofullc@p
17762       {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17763         #1{\caplabelfont{#2\captionformat}}}}}%
17764         #3\unskip\strut\par}}}%
17765     \else%
17766       \ifdim\cap@indent<\z@
17767         {\capfont{\strut\ignorespaces
17768           #1{\caplabelfont{#2\captionformat\par}}}%
17769           \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17770       \else%
17771         \if@capbreak
17772           {\capfont{\strut\ignorespaces
17773             #1{\caplabelfont{#2\captionformat\par}}}%
17774             \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17775         \else
17776           {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17777             {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17778               {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17779         \fi
17780       \fi
17781     \fi
17782 }%

```



```

17783         \setlength{\@tempdima}{\ht\@tempboxa}%
17784         \addtolength{\@tempdima}{\dp\@tempboxa}%
17785         \addtolength{\@tempdima}{-\ht\strutbox}%
17786         \ht\@tempboxa\ht\strutbox
17787         \dp\@tempboxa\@tempdima
17788         \strut\cap@left
17789         \box\@tempboxa
17790         \cap@right\strut
17791     }%
17792 \else
17793     \global \@minipagefalse
17794     \sbox\@tempboxa{%
17795         {\capfont{\scr@smashdp{\strut\ignorespaces
17796             #1{\caplabelfont{#2\captionformat}}}}}%
17797         #3}%
17798     }%
17799     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}
17800 \fi
17801 \endgroup
17802 }
17803 \renewcommand{\@makecaption}[2]{%
17804     \if@captionabove
17805         \vskip\belowcaptionskip
17806     \else
17807         \vskip\abovecaptionskip
17808     \fi
17809     @@makecaption\@firstofone{#1}{#2}%
17810     \if@captionabove
17811         \vskip\abovecaptionskip
17812     \else
17813         \vskip\belowcaptionskip
17814     \fi
17815 }
17816 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17817     \@ifpackageloaded{caption2}{\@komalongtablefalse
17818         \scr@caption@before@longtable@warning{caption2}%
17819     }{}%
17820     \if@komalongtable
17821         \renewcommand{\LT@makecaption}[3]{%
17822             \noalign{%
17823                 \if@captionabove
17824                     \vskip\belowcaptionskip
17825                 \else
17826                     \vskip\abovecaptionskip
17827                 \fi
17828             }%
17829             \LT@mcol\LT@cols c{%
17830                 \hbox to\z@{\hss\parbox[t]{\linewidth{%
17831                     \@makecaption{#1}{#2}{#3}%
17832                     \endgraf

```



```

17833         \if@captionabove
17834             \vskip\abovecaptionskip
17835         \else
17836             \vskip\belowcaptionskip
17837         \fi
17838     }%
17839     \hss
17840 }%
17841 }%
17842 }%
17843 \renewcommand*{\scr@LT@array}{}%
17844 \let\scr@LT@array=\LT@array
17845 \renewcommand*{\LT@array}{%
17846     \let\scr@caption=\LT@caption
17847     \def\captionabove{\noalign{\global\@captionabovetrue}%
17848         \scr@caption}%
17849     \def\captionbelow{\noalign{\global\@captionabovetrue}%
17850         \scr@caption}%
17851     \if@tablecaptionabove
17852         \let\LT@caption=\captionabove
17853     \else
17854         \let\LT@caption=\captionbelow
17855     \fi
17856     \scr@LT@array
17857 }%
17858 \ClassInfo{\KOMAClassName}{%
17859     longtable captions redefined%
17860 }%
17861 \fi
17862 }
17863
17864 \CloneTOCEntryStyle{tocline}{part}
17865 \TOCEntryStyleStartInitCode{part}{%
17866     \expandafter\renewcommand%
17867     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17868     \expandafter\renewcommand%
17869     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17870     \expandafter\renewcommand%
17871     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17872         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17873     \expandafter\renewcommand\expandafter*%
17874     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17875 }
17876
17877 \CloneTOCEntryStyle{tocline}{chapter}
17878 \TOCEntryStyleStartInitCode{chapter}{%
17879     \expandafter\renewcommand%
17880     \csname scr@tso@#1@linefill\endcsname{%
17881         \if@chapterentrywithdots
17882             \TOCLineLeaderFill\relax

```





```

17883 \else
17884 \hfill
17885 \fi
17886 }%
17887 \expandafter\renewcommand%
17888 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17889 \expandafter\renewcommand%
17890 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17891 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17892 \expandafter\renewcommand\expandafter*%
17893 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17894 }
17895
17896 \CloneTOCEntryStyle{tocline}{section}
17897 \TOCEntryStyleStartInitCode{section}{%
17898 \expandafter\renewcommand%
17899 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17900 }
17901
17902 \CloneTOCEntryStyle{section}{default}
17903
17904 \DeclareSectionCommand[%
17905 style=part,%
17906 level=\m@ne,%
17907 pagestyle=plain,%
17908 tocstyle=part,%
17909 toplevel=\m@ne,%
17910 tocindent=\z@,%
17911 tocnumwidth=2em%
17912 ]{part}
17913 \DeclareSectionCommand[%
17914 style=chapter,%
17915 level=\z@,%
17916 pagestyle=plain,%
17917 tocstyle=chapter,%
17918 tocindent=\z@,%
17919 tocnumwidth=1.5em%
17920 ]{chapter}
17921 \DeclareSectionCommand[%
17922 style=section,%
17923 level=1,%
17924 indent=\z@,%
17925 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17926 afterskip=2.3ex \@plus .2ex,%
17927 tocstyle=section,%
17928 tocindent=1.5em,%
17929 tocnumwidth=2.3em%
17930 ]{section}
17931 \DeclareSectionCommand[%
17932 style=section,%

```



```

17933 level=2,%
17934 indent=\z@,%
17935 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17936 afterskip=1.5ex \@plus .2ex,%
17937 tocstyle=section,%
17938 tocindent=3.8em,%
17939 tocnumwidth=3.2em%
17940]{subsection}
17941\DeclareSectionCommand[%
17942 style=section,%
17943 level=3,%
17944 indent=\z@,%
17945 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17946 afterskip=1.5ex \@plus .2ex,%
17947 tocstyle=section,%
17948 tocindent=7.0em,%
17949 tocnumwidth=4.1em%
17950]{subsubsection}
17951\DeclareSectionCommand[%
17952 style=section,%
17953 level=4,%
17954 indent=\z@,%
17955 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17956 afterskip=-1em,%
17957 tocstyle=section,%
17958 tocindent=10em,%
17959 tocnumwidth=5em%
17960]{paragraph}
17961\DeclareSectionCommand[%
17962 style=section,%
17963 level=5,%
17964 indent=\scr@parindent,%
17965 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17966 afterskip=-1em,%
17967 tocstyle=section,%
17968 tocindent=12em,%
17969 tocnumwidth=6em%
17970]{subparagraph}
17971
17972

```

## 107 File scrlettr-xetex-bidi.def

```

17973\ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17974\renewcommand\deffootnote[4][]{%
17975 \long\def\@makefntext##1{%
17976 \edef\@tempa{#1}\ifx\@tempa\@empty
17977 \setpar{\@par
17978 \tempdima = \hspace
17979 \addtolength{\tempdima}{-#2}

```



```

17980     \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17981 \else
17982   \@setpar{\@par
17983     \@tempdima = \hsize
17984     \addtolength{\@tempdima}{-#1}
17985     \@tempdima = \hsize
17986     \addtolength{\@tempdima}{-#2}
17987     \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdima\else\parshape \tw@ #1 \@tempdima #2
17988   \fi
17989   \par
17990   \parindent #3\noindent
17991   \hbox to \z@{\hss\@makefnmark}##1}
17992 \def\@makefnmark{\hbox{#4}}
17993 }
17994 \def\footnote[1em]{1.5em}{1em}
17995 {\textsuperscript{\thefootnotemark}}
17996 \def\leftfootnoterule{\kern-1\p@
17997   \hrule width 0.4\columnwidth
17998   \kern .6\p@}
17999 \def\rightfootnoterule{%
18000   \kern-1\p@
18001   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18002   \kern .6\p@}
18003 \def\@datefield{\@reffalse
18004   \ifx\varyourref\@empty \else \@reftrue \fi
18005   \ifx\varyourmail\@empty \else \@reftrue \fi
18006   \ifx\varmyref\@empty \else \@reftrue \fi
18007   \ifx\varcustomer\@empty \else \@reftrue \fi
18008   \ifx\varinvoice\@empty \else \@reftrue \fi
18009   \ifx\varrefitemi\@empty \else \@reftrue \fi
18010   \ifx\varrefitemii\@empty \else \@reftrue \fi
18011   \ifx\varrefitemiii\@empty \else \@reftrue \fi
18012   \vskip -\parskip
18013   \vskip \refvskip
18014   \if@ref
18015     \ifx\varyourref\@empty \else
18016       \settowidth{\sc@temp}{\varyourref}
18017       \setbox0\hbox{\scriptsize \sf \yourrefname}
18018       \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18019       \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
18020     \fi
18021     \ifx\varyourmail\@empty \else
18022       \settowidth{\sc@temp}{\varyourmail}
18023       \setbox0\hbox{\scriptsize \sf \yourmailname}
18024       \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18025       \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
18026     \fi
18027     \ifx\varmyref\@empty \else
18028       \settowidth{\sc@temp}{\varmyref}
18029       \setbox0\hbox{\scriptsize \sf \myrefname}

```



```

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

```



```
18080 \vspace{1.5\baselineskip}}
```

## 108 File scrreprt-xetex-bidi.def

```
18081 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
18082 \newcommand{\scr@saved@LTRfootnotetext}{}
18083 \newcommand{\scr@saved@RTLfootnotetext}{}
18084 \let\scr@saved@footnotetext\@footnotetext
18085 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18086 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18087 \renewcommand{\@footnotetext}[1]{%
18088   \scr@saved@footnotetext{#1}%
18089   \csname FN@mf@prepare\endcsname
18090 }
18091 \renewcommand{\@LTRfootnotetext}[1]{%
18092   \scr@saved@LTRfootnotetext{#1}%
18093   \csname FN@mf@prepare\endcsname
18094 }
18095 \renewcommand{\@RTLfootnotetext}[1]{%
18096   \scr@saved@RTLfootnotetext{#1}%
18097   \csname FN@mf@prepare\endcsname
18098 }
18099 \renewcommand\deffootnote[4][1]{%
18100   \long\def\@makefnmark##1{%
18101     \setlength{\@tempdimc}{#3}%
18102     \def\@tempa{#1}\ifx\@tempa\@empty
18103       \setpar{\@par
18104         \@tempdima = \hsize
18105         \addtolength{\@tempdima}{-#2}%
18106         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18107       \else
18108         \addtolength{\@tempdimc}{#2}%
18109         \addtolength{\@tempdimc}{-#1}%
18110         \setpar{\@par
18111           \@tempdima = \hsize
18112           \addtolength{\@tempdima}{-#1}%
18113           \@tempdimb = \hsize
18114           \addtolength{\@tempdimb}{-#2}%
18115           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
18116         }%
18117       \fi
18118       \par
18119       \parindent\@tempdimc\noindent
18120       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18121     }%
18122   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18123 }
18124 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18125 \renewcommand*\left@footnoterule{%
18126   \normalsize\ftn@rule@test@values
```



```

18127 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18128 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18129 {\usekomafont{footnoterule}{%
18130   \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18131 \kern 2.6\p@}
18132 \renewcommand*\right@footnoterule{%
18133   \normalsize\ftn@rule@test@values
18134   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18135   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18136   {\usekomafont{footnoterule}{%
18137     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
18138     \kern 2.6\p@}
18139   \renewcommand*\maketitle[1][1]{%
18140     \if@titlepage
18141       \begin{titlepage}
18142         \setcounter{page}{%
18143           #1%
18144         }%
18145         \let\footnotesize\small
18146         \let\right@footnoterule\relax
18147         \let\left@footnoterule\relax
18148         \let\textwidth\footnoterule\relax
18149         \let\footnote\thanks
18150         \let\LTRfootnote\LTRthanks
18151         \let\RTLfootnote\RTLthanks
18152         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18153         \let\@oldmakefnmark\@makefnmark
18154         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
18155         \ifx\@extratitle\@empty \else
18156           \noindent\@extratitle\next@tpage\cleardoubleemptypage
18157           \thispagestyle{empty}%
18158         \fi
18159         \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
18160         \ifx\@titlehead\@empty \else
18161           \begin{minipage}[t]{\textwidth}%
18162             \@titlehead
18163           \end{minipage}\par
18164         \fi
18165         \null\vfill
18166         \begin{center}
18167           \ifx\@subject\@empty \else
18168             {\subject@font \@subject \par}%
18169           \vskip 3em
18170         \fi
18171         {\titlefont\huge \@title\par}%
18172         \vskip 1em
18173         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18174         \vskip 2em
18175         {\Large \lineskip 0.75em
18176         \begin{tabular}[t]{c}

```



```

18177         \@author
18178         \end{tabular}\par
18179     }%
18180     \vskip 1.5em
18181     {\Large \@date \par}%
18182     \vskip \z@ \@plus3fill
18183     {\Large \@publishers \par}%
18184     \vskip 3em
18185 \end{center}\par
18186 \@thanks
18187 \vfill\null
18188 \if@twoside\next@tpage
18189     \begin{minipage}[t]{\textwidth}
18190         \@uppertitleback
18191     \end{minipage}\par
18192     \vfill
18193     \begin{minipage}[b]{\textwidth}
18194         \@lowertitleback
18195     \end{minipage}
18196 \fi
18197 \ifx\@dedication\@empty \else
18198     \next@tpage\null\vfill
18199     {\centering \Large \@dedication \par}%
18200     \vskip \z@ \@plus3fill
18201     \if@twoside \next@tpage\cleardoubleemptypage \fi
18202 \fi
18203 \end{titlepage}
18204 \else
18205     \par
18206     \@tempcnta=%
18207     #1%
18208     \relax\ifnum\@tempcnta=1\else
18209         \ClassWarning{\KOMAClassName}{%
18210             Optional argument of \string\maketitle\space ignored
18211             at\MessageBreak
18212             notitlepage-mode%
18213         }%
18214     \fi
18215     \begingroup
18216         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18217         \let\@oldmakefnmark\@makefnmark
18218         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
18219         \if@twocolumn
18220             \ifnum \col@number=\@one
18221                 \@maketitle
18222             \else
18223                 \twocolumn[\@maketitle]%
18224             \fi
18225         \else
18226             \newpage

```



```

18227         \global\@topnum\z@
18228         \@maketitle
18229     \fi
18230     \thispagestyle{\titlepagestyle}\@thanks
18231 \endgroup
18232 \fi
18233 \setcounter{footnote}{0}%
18234 \let\thanks\relax
18235 \let\LTRthanks\relax
18236 \let\RTLthanks\relax
18237 \let\maketitle\relax
18238 \let\@maketitle\relax
18239 \global\let\@thanks\@empty
18240 \global\let\@author\@empty
18241 \global\let\@date\@empty
18242 \global\let\@title\@empty
18243 \global\let\@subtitle\@empty
18244 \global\let\@extratitle\@empty
18245 \global\let\@titlehead\@empty
18246 \global\let\@subject\@empty
18247 \global\let\@publishers\@empty
18248 \global\let\@uppertitleback\@empty
18249 \global\let\@lowertitleback\@empty
18250 \global\let\@dedication\@empty
18251 \global\let\author\relax
18252 \global\let\title\relax
18253 \global\let\extratitle\relax
18254 \global\let\titlehead\relax
18255 \global\let\subject\relax
18256 \global\let\publishers\relax
18257 \global\let\uppertitleback\relax
18258 \global\let\lowertitleback\relax
18259 \global\let\dedication\relax
18260 \global\let\date\relax
18261 \global\let\and\relax
18262 }%
18263 \renewcommand*{\@maketitle}{%
18264     \clearpage
18265     \let\footnote\thanks
18266     \let\LTRfootnote\LTRthanks
18267     \let\RTLfootnote\RTLthanks
18268     \ifx\@extratitle\@empty \else
18269         \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18270     \fi
18271     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18272     \ifx\@titlehead\@empty \else
18273         \begin{minipage}[t]{\textwidth}
18274             \@titlehead
18275         \end{minipage}\par
18276     \fi

```





```

18277 \null
18278 \vskip 2em%
18279 \begin{center}%
18280   \ifx\@subject\@empty \else
18281     {\subject@font \@subject \par}
18282     \vskip 1.5em
18283   \fi
18284   {\titlefont\huge \@title \par}%
18285   \vskip .5em
18286   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18287   \vskip 1em
18288   {\Large
18289     \lineskip .5em%
18290     \begin{tabular}[t]{c}
18291       \@author
18292     \end{tabular}\par
18293   }%
18294   \vskip 1em%
18295   {\Large \@date \par}%
18296   \vskip \z@ \@plus 1em
18297   {\Large \@publishers \par}
18298   \ifx\@dedication\@empty \else
18299     \vskip 2em
18300     {\Large \@dedication \par}
18301   \fi
18302 \end{center}%
18303 \par
18304 \vskip 2em
18305 }%
18306 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18307 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18308 \renewcommand*\thesection{%
18309   \thechapter\@SepMark%
18310   \@arabic\c@section
18311 }
18312 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
18313 \renewcommand*{\thesubsubsection}{%
18314   \thesubsection\@SepMark\@arabic\c@subsubsection
18315 }
18316 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18317 \renewcommand*{\thesubparagraph}{%
18318   \theparagraph\@SepMark\@arabic\c@subparagraph
18319 }
18320 \renewcommand*\thefigure{%
18321   \thechapter\@SepMark%
18322   \@arabic\c@figure
18323 }
18324 \renewcommand*\thetable{%
18325   \thechapter\@SepMark%
18326   \@arabic\c@table

```



```

18327 }
18328 \renewcommand*\theequation{%
18329   \thechapter\@SepMark%
18330   \@arabic\c@equation
18331 }
18332 \renewenvironment{thebibliography}[1]{%
18333   \if@bib@break@
18334     \bib@beginhook
18335   \else
18336     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18337       \setchapterpreamble{\bibpreamble}%
18338     \fi\fi
18339     \bib@heading
18340     \bib@beginhook
18341     \bib@before@hook
18342   \fi
18343   \renewcommand{\BreakBibliography}[1]{%
18344     \@bib@break
18345     \end{thebibliography}%
18346     \begingroup ##1\endgroup
18347     \begin{thebibliography}{#1}
18348   }%
18349   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
18350   \bidi@thebibliography@font@hook%
18351   \list{%
18352     \@biblabel{\@arabic\c@enumiv}%
18353   }{%
18354     \settowidth\labelwidth{\@biblabel{#1}}%
18355     \leftmargin\labelwidth
18356     \advance\leftmargin\labelsep
18357     \@openbib@code
18358     \if@bib@break@
18359       \edef\@tempa{%
18360         \noexpand\usecounter{enumiv}%
18361         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18362       }\@tempa
18363       \no@bib@break
18364     \else
18365       \usecounter{enumiv}%
18366     \fi
18367     \let\p@enumiv\@empty
18368     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18369   }%
18370   \sloppy\clubpenalty4000 \widowpenalty4000
18371   \sfcode`\.=\@m
18372 }{%
18373   \if@bib@break@
18374     \def\@noitemerr{%
18375       \@latex@warning{%
18376         \string\BreakBibliography\space at begin of `thebibliography'

```



```

18377         environment\MessageBreak
18378         or following \string\BreakBibliography}%
18379     }%
18380 \else
18381     \def\@noitemerr{%
18382         \@latex@warning{%
18383             Empty `thebibliography' environment or
18384             \string\BreakBibliography\MessageBreak
18385             before end of `thebibliography' environment}%
18386     }%
18387 \fi
18388 \endlist
18389 \if@bib@break@
18390 \else
18391     \bib@after@hook
18392     \let\bib@before@hook\@empty
18393     \let\bib@after@hook\@empty
18394 \fi
18395 \bib@endhook
18396 }
18397 \renewcommand*\left@footnoterule{%
18398     \kern-3\p@
18399     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18400     \hrule\@width.4\columnwidth
18401     \kern 2.6\p@}
18402 \renewcommand*\right@footnoterule{%
18403     \kern-3\p@
18404     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18405     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18406     \kern2.6\p@}
18407 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18408 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18409 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18410 \renewcommand\marginline[1]{%
18411     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18412 }
18413 \renewcommand{\@@makecaption}[3]{%
18414     \cap@margin
18415     \ifonelinecaptions
18416         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18417         \let\scr@tmp@footnotetext=\@footnotetext
18418         \let\@footnotetext=\@gobble
18419         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18420         \let\@LTRfootnotetext=\@gobble
18421         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18422         \let\@RTLfootnotetext=\@gobble
18423         \sbox\@tempboxa{%
18424             {\capfont{\strut\ignorespaces
18425                 #1{\caplabelfont{#2\captionformat}}}%
18426                 #3\unskip\strut}}%

```



```

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

```



```

18477 \sbox\@tempboxa{%
18478   {\capfont{\scr@smashdp{\strut\ignorespaces
18479     #1{\caplabelfont{#2\captionformat}}}}}%
18480     #3}}}%
18481   }%
18482   {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap@right@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap@center@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi}}}%
18483 \fi
18484 \endgroup
18485 }
18486 \renewcommand{\@makecaption}[2]{%
18487   \if@captionabove
18488     \vskip\belowcaptionskip
18489   \else
18490     \vskip\abovecaptionskip
18491   \fi
18492   \@makecaption\@firstofone{#1}{#2}%
18493   \if@captionabove
18494     \vskip\abovecaptionskip
18495   \else
18496     \vskip\belowcaptionskip
18497   \fi
18498 }
18499 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18500   \@ifpackageloaded{caption2}{\@komalongtablefalse
18501     \scr@caption@before@longtable@warning{caption2}%
18502   }{}%
18503   \if@komalongtable
18504     \renewcommand{\LT@makecaption}[3]{%
18505       \noalign{%
18506         \if@captionabove
18507           \vskip\belowcaptionskip
18508         \else
18509           \vskip\abovecaptionskip
18510         \fi
18511       }%
18512       \LT@mcol\LT@cols c{%
18513         \hbox to\z@{\hss\parbox[t]{\linewidth{%
18514           \@makecaption{#1}{#2}{#3}%
18515         }}%
18516         \endgraf
18517         \if@captionabove
18518           \vskip\abovecaptionskip
18519         \else
18520           \vskip\belowcaptionskip
18521         \fi
18522       }%
18523     }%
18524   }%
18525 }%
18526 \renewcommand*{\scr@LT@array}{}%

```



```

18527 \let\scr@LT@array=\LT@array
18528 \renewcommand*{\LT@array}{%
18529   \let\scr@caption=\LT@caption
18530   \def\captionabove{\noalign{\global\@captionabovetrue}%
18531     \scr@caption}%
18532   \def\captionbelow{\noalign{\global\@captionabovefalse}%
18533     \scr@caption}%
18534   \if@tablecaptionabove
18535     \let\LT@caption=\captionabove
18536   \else
18537     \let\LT@caption=\captionbelow
18538   \fi
18539   \scr@LT@array
18540 }%
18541 \ClassInfo{\KOMAClassName}{%
18542   longtable captions redefined%
18543 }%
18544 \fi
18545 }
18546
18547 \CloneTOCEntryStyle{tocline}{part}
18548 \TOCEntryStyleStartInitCode{part}{%
18549   \expandafter\renewcommand%
18550   \csname scr@tso@#1@linefill\endcsname{\hfill}%
18551   \expandafter\renewcommand%
18552   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18553   \expandafter\renewcommand%
18554   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18555     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18556   \expandafter\renewcommand\expandafter*%
18557   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18558 }
18559
18560 \CloneTOCEntryStyle{tocline}{chapter}
18561 \TOCEntryStyleStartInitCode{chapter}{%
18562   \expandafter\renewcommand%
18563   \csname scr@tso@#1@linefill\endcsname{%
18564     \if@chapterentrywithdots
18565       \TOCLineLeaderFill\relax
18566     \else
18567       \hfill
18568     \fi
18569   }%
18570   \expandafter\renewcommand%
18571   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18572   \expandafter\renewcommand%
18573   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18574     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18575   \expandafter\renewcommand\expandafter*%
18576   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%

```



```

18577 }
18578
18579 \CloneTOCEntryStyle{tocline}{section}
18580 \TOCEntryStyleStartInitCode{section}{%
18581   \expandafter\renewcommand%
18582   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18583 }
18584
18585 \CloneTOCEntryStyle{section}{default}
18586
18587 \DeclareSectionCommand[%
18588   style=part,%
18589   level=\m@ne,%
18590   pagestyle=plain,%
18591   tocstyle=part,%
18592   toplevel=\m@ne,%
18593   tocindent=\z@,%
18594   tocnumwidth=2em%
18595 ]{part}
18596 \DeclareSectionCommand[%
18597   style=chapter,%
18598   level=\z@,%
18599   pagestyle=plain,%
18600   tocstyle=chapter,%
18601   tocindent=\z@,%
18602   tocnumwidth=1.5em%
18603 ]{chapter}
18604 \DeclareSectionCommand[%
18605   style=section,%
18606   level=1,%
18607   indent=\z@,%
18608   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18609   afterskip=2.3ex \@plus .2ex,%
18610   tocstyle=section,%
18611   tocindent=1.5em,%
18612   tocnumwidth=2.3em%
18613 ]{section}
18614 \DeclareSectionCommand[%
18615   style=section,%
18616   level=2,%
18617   indent=\z@,%
18618   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18619   afterskip=1.5ex \@plus .2ex,%
18620   tocstyle=section,%
18621   tocindent=3.8em,%
18622   tocnumwidth=3.2em%
18623 ]{subsection}
18624 \DeclareSectionCommand[%
18625   style=section,%
18626   level=3,%

```



```

18627 indent=\z@,%
18628 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
18629 afterskip=1.5ex \@plus .2ex,%
18630 tocstyle=section,%
18631 tocindent=7.0em,%
18632 tocnumwidth=4.1em%
18633]{subsubsection}
18634\DeclareSectionCommand[%
18635 style=section,%
18636 level=4,%
18637 indent=\z@,%
18638 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18639 afterskip=-1em,%
18640 tocstyle=section,%
18641 tocindent=10em,%
18642 tocnumwidth=5em%
18643]{paragraph}
18644\DeclareSectionCommand[%
18645 style=section,%
18646 level=5,%
18647 indent=\scr@parindent,%
18648 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18649 afterskip=-1em,%
18650 tocstyle=section,%
18651 tocindent=12em,%
18652 tocnumwidth=6em%
18653]{subparagraph}
18654
18655

```

## 109 File sidecap-xetex-bidi.def

```

18656\ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18657\renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18658 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18659 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18660 \renewcommand*{\SC@justify@caption}{\if@RTL%
18661 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18662 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

## 110 File soul-xetex-bidi.def

```

18663\ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18664\long\def\SOUL@start#1{%
18665 \let\bid@RTL@everypar\@empty
18666 \let\<\SOUL@lowerthan
18667 \let\>\empty
18668 \def\soulomit{\noexpand\soulomit}%
18669 \gdef\SOUL@eventuallyxexhyphen##1{%
18670 \let\SOUL@soeventuallyskip\relax

```





```

18671 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18672 \@minus\fontdimen4\font
18673 \SOUL@ignorespacesfalse
18674 \leavevmode
18675 \SOUL@preamble
18676 \SOUL@lasttoken={}%
18677 \SOUL@word={}%
18678 \SOUL@minus\z@
18679 \SOUL@comma\z@
18680 \SOUL@apo\z@
18681 \SOUL@grave\z@
18682 \SOUL@do{#1}%
18683 \SOUL@postamble
18684 }}
18685 \def\SOUL@ulunderline#1{%
18686 \setbox\z@\hbox{#1}%
18687 \dimen@=\wd\z@
18688 \dimen@i=\SOUL@uloverlap
18689 \advance\dimen@2\dimen@i
18690 \if@RTL
18691 \unhcopy\z@
18692 \llap{%
18693 \null
18694 \kern-\dimen@i
18695 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18696 }%
18697 \else
18698 \rlap{%
18699 \null
18700 \kern-\dimen@i
18701 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18702 }%
18703 \unhcopy\z@
18704 \fi
18705 }}
18706 \def\SOUL@bidi@SOUL@ulleaders{%
18707 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
18708 }
18709 \def\SOUL@uleveryspace#1{%
18710 \if@RTL
18711 #1%
18712 \SOUL@bidi@SOUL@ulleaders
18713 \hskip\spaceskip
18714 \else
18715 \SOUL@ulcolor{%
18716 #1%
18717 \SOUL@ulleaders
18718 \hskip\spaceskip
18719 }%
18720 \fi

```



```

18721 \null
18722 }

```

## 111 File stabular-xetex-bidi.def

```

18723 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18724 \def\@stabular{%
18725   \leavevmode \bgroup \if@RTLtab\beginR \fi
18726   \let\@acol\@tabacol
18727   \let\@classz\@tabclassz
18728   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18729 \def\endstabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
18730   \egroup \if@RTLtab\endR\fi\egroup}
18731 \expandafter \let \csname endstabular*\endcsname = \endstabular
18732 \def\@sarray[#1]#2{%
18733   \bgroup
18734   \setbox\@arstrutbox\hbox{%
18735     \vrule \@height\arraystretch\ht\strutbox
18736     \@depth\arraystretch \dp\strutbox
18737     \@width\z@}%
18738   \@mkpream{#2}%
18739   \edef\@preamble{%
18740     \ialign \noexpand\@halignto
18741       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18742   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18743   \let\@tabularnewline\\%
18744   \let\@sharp##%
18745   \set@typeset@protect
18746   \lineskip\z@skip\baselineskip\z@skip
18747   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1\vtop \else \vbox \fi\bgroup\fi
18748   \@preamble}

```

## 112 File subfigure-xetex-bidi.def

```

18749 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18750 \AtBeginDocument{%
18751   \let\p@subfigure=\thefigure
18752   \let\p@subtable=\thetable%
18753 }

```

## 113 File tabs-xetex-bidi.def

```

18754 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for Xe]
18755 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18756
18757 \expandafter\let\csname endtabular*\endcsname=\endtabular
18758
18759 \def\endarray{\ifvmode\csname crrc\endcsname % just do \crrc if \ given
18760   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18761   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}

```



```

18762
18763 \def\@array[#1]#2{% remember global variables to allow recursion:
18764 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18765 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18766 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18767 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18768 \else \let\@tarlinesep\tblinesep \fi
18769 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18770 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18771 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18772 \ifdim\@tarlinesep>z@ % (need \protect for \multicolumn)
18773 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18774 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18775 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18776 \vrule \@height\@tempdima \@depth\@tempdimb \@widthz@}%
18777 \let\protect\noexpand
18778 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18779 \unhcopy\@arstrutbox \@preamble \tabskipz@skip &\@sharp \cr}%
18780 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18781 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
18782 \bgroup \let\par\empty
18783 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18784 \advance\extrarulesep.5\arrayrulewidth
18785 \let\@sharp##\let\protect\relax \lineskipz@skip \baselineskipz@skip
18786 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \vbox \fi\bgroup\fi
18787 \@preamble}

```

## 114 File tabularx-xetex-bidi.def

```

18788 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18789 \def\TX@endtabularx{%
18790 \expandafter\expandafter\expandafter
18791 \TX@find@endtabularxa\csname end\TX@\endcsname
18792 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18793 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18794 \let\verb\TX@verb
18795 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18796 \edef\TX@ckpt{\cl@ckpt}%
18797 \let\@elt\relax
18798 \TX@old@table\maxdimen
18799 \TX@col@width\TX@target
18800 \global\TX@cols\@ne
18801 \TX@typeout@
18802 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18803 \TX@trial{\def\NC@rewriteX{%
18804 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18805 \loop
18806 \TX@arith
18807 \ifTX@
18808 \TX@trial}%

```



```

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

```



```

18859             [\the\csname c@\mpfn\endcsname]]}%
18860 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18861 \long\def\TX@xRTLftntext[#1]#2{%
18862 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

## 115 File tabulary-xetex-bidi.def

```

18863 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18864 \def\@testpach{\@chclass
18865 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18866 \ifnum \@lastchclass=7 5 \else
18867 \ifnum \@lastchclass=8 \tw@ \else
18868 \ifnum \@lastchclass=9 \thr@@
18869 \else \z@
18870 \ifnum \@lastchclass = 10 \else
18871 \edef\@nextchar{\expandafter\string\@nextchar}%
18872 \@chnum
18873 \if \@nextchar c\z@ \else
18874 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18875 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
18876 \if \@nextchar C7 \else
18877 \if \@nextchar L8 \else
18878 \if \@nextchar R9 \else
18879 \if \@nextchar J10 \else
18880 \z@ \@chclass
18881 \if\@nextchar |\@ne \else
18882 \if \@nextchar !6 \else
18883 \if \@nextchar @7 \else
18884 \if \@nextchar <8 \else
18885 \if \@nextchar >9 \else
18886 10
18887 \@chnum
18888 \if \@nextchar m\thr@@\else
18889 \if \@nextchar p4 \else
18890 \if \@nextchar b5 \else
18891 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18892 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

## 116 File tc-xetex-bidi.def

```

18893 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18894 \def\@cliptoboxdim#1{%
18895 \setbox#1=\hbox{%
18896 \Gin@defaultbp\WIDTH{\wd#1}%
18897 \Gin@defaultbp\DEPTH{\dp#1}%
18898 \@tempdima\ht#1%
18899 \advance\@tempdima\dp#1%
18900 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18901 \beginL\special{pdf:bcontent }%
18902 \special{%

```



```

18903         pdf:literal direct
18904         0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18905     }%
18906     \special{pdf:literal direct W }%
18907     \special{pdf:literal direct n }%
18908     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18909     \special{pdf:econtent }\endL%
18910 }%
18911 }

```

## 117 File tcolorbox-xetex-bidi.def

```

18912 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox package]
18913 \let\endtcbox@lrbox=\endminipage
18914 \let\endtcbox@savebox=\endtcbox@lrbox
18915
18916 \bidi@patchcmd{\tcbox@vbox}{%
18917   \let\@footnotetext\@mpfootnotetext%
18918 }{%
18919   \let\@footnotetext\@mpfootnotetext%
18920   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18921   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18922 }{}{}
18923
18924 \bidi@patchcmd{\endtcbox@vbox}{%
18925   \footnoterule%
18926 }{%
18927   \bidi@mpfootnoterule%
18928 }{}{}
18929 \bidi@apptocmd\tcb@icolorbox{%
18930   \@bidi@list@minipage@parboxfalse
18931 }{}{}

```

## 118 File titlesec-xetex-bidi.def

```

18932 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18933 \renewcommand\filright{%
18934   \gdef\ttl@filleft##1{\hskip##1}%
18935   \gdef\ttl@filright##1{\hfill}%
18936   \let\\\@centercr
18937   \advance\rightskip\z@ \@plus 1fil
18938   \parfillskip\z@}
18939 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18940   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18941   \setlength\leftskip{#6}%
18942   \setlength\rightskip{#7}%
18943   \interlinepenalty\@M
18944   \ttl@change@centercr
18945   \ttl@begin@longest
18946   #1{\ifhmode\ttl@hmode@error\fi

```



```

18947 \ttl@glcmds
18948 \parindent\z@
18949 \leavevmode
18950 \begingroup
18951 \ifttl@label
18952 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18953 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18954 \llap{\box\z@}%
18955 \fi
18956 #4{#8}%
18957 \kern\z@\strut\@@par
18958 \endgroup
18959 \nobreak\ttl@midlongest#5\@@par}%
18960 \ttl@endlongest}

```

## 119 File titletoc-xetex-bidi.def

```

18961 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18962 \renewcommand\filright{%
18963 \gdef\ttl@filleft##1{\hskip##1}%
18964 \gdef\ttl@filright##1{\hfill}%
18965 \let\\\@centercr
18966 \advance\rightskip\z@ \@plus 1fil
18967 \parfillskip\z@}
18968 \renewcommand\contentspush[1]{%
18969 \sbox\z@{#1}%
18970 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18971 \aftergroup\ttl@b
18972 \leavevmode\llap{\box\z@}}
18973 \def\ttl@outnoblock#1#2#3{%
18974 \begingroup
18975 \ifnum\ttl@b>\ttl@a
18976 \nobreak
18977 \else\ifnum\ttl@b<\ttl@a
18978 \addpenalty{\@secpenalty}%
18979 \else
18980 \addpenalty{\z@}%
18981 \fi\fi
18982 \ttl@contentsstretch
18983 \nobreak
18984 \ifcase#1\relax\else\interlinepenalty\@M\fi
18985 \parindent\z@
18986 \ifx\@nil#2%
18987 \PackageError{titletoc}{Unimplemented}%
18988 {The optional argument is currently mandatory}%
18989 \else
18990 \if@RTL\setlength\rightskip{#2}\else
18991 \setlength\leftskip{#2}\fi%
18992 \fi
18993 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%

```



```

18994 \let\contentsmargin\ttl@margin
18995 \def\ttl@makeline##1{##1}%
18996 #3%
18997 \addtolength{\parfillskip}{-\ttl@corr}%
18998 \ifRTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18999 \let\ttl@leaders\leaders}
19000 \renewcommand\ttl@margin[2][\z@]{%
19001 \def\ttl@corr{#1}%
19002 \advance\ifRTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
19003 \advance\ifRTL\leftskip\else\rightskip\fi#2\relax
19004 \def\@pnumwidth{#2}}
19005 \let\ttl@savel@part\l@part
19006 \def\l@part{\ttl@lselect{part}}
19007
19008 \let\ttl@savel@chapter\l@chapter
19009 \def\l@chapter{\ttl@lselect{chapter}}

```

## 120 File tocbibind-xetex-bidi.def

```

19010 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
19011 \if@dotocbib
19012 \ifpackageloaded{natbib}{\% natbib not loaded
19013 \renewcommand{\bibsection}{\tcb@bchapsec}
19014 \renewenvironment{thebibliography}[1]{%
19015 \bibsection
19016 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
19017 \renewenvironment{thebibitemlist}[1]{
19018 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
19019 \bidi@thebibliography@font@hook%
19020 \list{\@biblabel{\@arabic{c@enumiv}}}%
19021 {\settowidth\labelwidth{\@biblabel{#1}}%
19022 \leftmargin\labelwidth
19023 \advance\leftmargin\labelsep
19024 \@openbib@code
19025 \usecounter{enumiv}%
19026 \let\p@enumiv\@empty
19027 \renewcommand\theenumiv{\@arabic{c@enumiv}}%
19028 \sloppy
19029 \clubpenalty4000
19030 \@clubpenalty \clubpenalty
19031 \widowpenalty4000%
19032 \sfcode\.\@m}
19033 {\def\@noitemerr
19034 {\@latex@warning{Empty `thebibliography' environment}}%
19035 \endlist}
19036
19037 \ifpackagewith{chapterbib}{sectionbib}%
19038 {\renewcommand{\sectionbib}[2]{}}%
19039 {}
19040

```





```

19041 \fi
19042 \if@inltxdoc\else
19043   \renewenvironment{theindex}%
19044     {\if@twocolumn
19045       \@restonecolfalse
19046     \else
19047       \@restonecoltrue
19048     \fi
19049   \if@bibchapter
19050     \if@donumindex
19051       \refstepcounter{chapter}
19052       \twocolumn[\vspace*{2\topskip}%
19053         \@makechapterhead{\indexname}}%
19054       \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
19055       \chaptermark{\indexname}
19056     \else
19057       \if@dotocind
19058         \twocolumn[\vspace*{2\topskip}%
19059           \@makeschapterhead{\indexname}}%
19060         \prw@mkboth{\indexname}
19061         \addcontentsline{toc}{chapter}{\indexname}
19062       \else
19063         \twocolumn[\vspace*{2\topskip}%
19064           \@makeschapterhead{\indexname}}%
19065         \prw@mkboth{\indexname}
19066       \fi
19067     \fi
19068   \else
19069     \if@donumindex
19070       \twocolumn[\vspace*{-1.5\topskip}%
19071         \@nameuse{\@tocextra}{\indexname}}%
19072       \csname \@tocextra mark\endcsname{\indexname}
19073     \else
19074       \if@dotocind
19075         \twocolumn[\vspace*{-1.5\topskip}%
19076           \toc@headstar{\@tocextra}{\indexname}}%
19077         \prw@mkboth{\indexname}
19078         \addcontentsline{toc}{\@tocextra}{\indexname}
19079       \else
19080         \twocolumn[\vspace*{-1.5\topskip}%
19081           \toc@headstar{\@tocextra}{\indexname}}%
19082         \prw@mkboth{\indexname}
19083       \fi
19084     \fi
19085   \fi
19086   \thispagestyle{plain}\parindent\z@
19087   \parskip\z@ \@plus .3\p@\relax
19088   \let\item\@idxitem}
19089   {\if@restonecol\onecolumn\else\clearpage\fi}
19090 \fi

```



## 121 File tocloft-xetex-bidi.def

```

19091 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
19092 \let\cftdot\@SepMark
19093 \if@cfthaspart
19094 \renewcommand*{\l@part}[2]{
19095   \cftdopartfalse
19096   \ifnum \c@tocdepth >-2\relax
19097     \if@cfthaschapter
19098       \cftdoparttrue
19099     \fi
19100     \ifnum \c@tocdepth >\m@ne
19101       \if@cfthaschapter\else
19102         \cftdoparttrue
19103       \fi
19104     \fi
19105   \fi
19106   \if@cftdopart
19107     \if@cfthaschapter
19108       \addpenalty{-\@highpenalty}
19109     \else
19110       \addpenalty\@secpenalty
19111     \fi
19112     \addvspace{\cftbeforepartskip}
19113     \begingroup
19114       {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
19115        \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19116        \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19117        \parindent \cftpartindent\relax\@afterindenttrue
19118        \interlinepenalty\@M
19119        \leavevmode
19120        \@tempdima \cftpartnumwidth\relax
19121        \let\@cftbsnum \cftpartpresnum
19122        \let\@cftasnum \cftpartaftersnum
19123        \let\@cftasnumb \cftpartaftersnumb
19124        \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19125        {\cftpartfont \cftpartpresnum #1}
19126        \cftpartfillnum{#2}}
19127     \nobreak
19128     \if@cfthaschapter
19129       \global\@nobreaktrue
19130       \everypar{\global\@nobreakfalse\everypar{}}
19131     \else
19132       \if@compatibility
19133         \global\@nobreaktrue
19134         \everypar{\global\@nobreakfalse\everypar{}}
19135       \fi
19136     \fi
19137   \endgroup
19138 \fi}

```



```

19139 \fi
19140 \ifcfthaschapter
19141 \renewcommand*{\l@chapter}[2]{
19142   \ifnum \c@tocdepth >\m@ne
19143     \addpenalty{-\@highpenalty}
19144     \vskip \cftbeforechapskip
19145     {\if@RTL\rightrightskip\else\leftskip\fi \cftchapindent\relax
19146     \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
19147     \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
19148     \parindent \cftchapindent\relax\@afterindenttrue
19149     \interlinepenalty\@M
19150     \leavevmode
19151     \@tempdima \cftchapnumwidth\relax
19152     \let\@cftbsnum \cftchappresnum
19153     \let\@cftasnum \cftchapaftersnum
19154     \let\@cftasnumb \cftchapaftersnumb
19155     \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19156     {\cftchapfont #1}\nobreak
19157     \cftchapfillnum{#2}}
19158   \fi}
19159 \fi
19160 \renewcommand*{\l@section}[2]{%
19161   \ifnum \c@tocdepth >\z@
19162     \ifcfthaschapter
19163       \vskip \cftbeforesecskip
19164     \else
19165       \addpenalty\@secpenalty
19166       \addvspace{\cftbeforesecskip}
19167     \fi
19168     {\if@RTL\rightrightskip\else\leftskip\fi \cftsecindent\relax
19169     \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
19170     \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
19171     \parindent \cftsecindent\relax\@afterindenttrue
19172     \interlinepenalty\@M
19173     \leavevmode
19174     \@tempdima \cftsecnumwidth\relax
19175     \let\@cftbsnum \cftsecpresnum
19176     \let\@cftasnum \cftsecaftersnum
19177     \let\@cftasnumb \cftsecaftersnumb
19178     \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19179     {\cftsecfont #1}\nobreak
19180     \cftsecfillnum{#2}}
19181   \fi}
19182 \renewcommand*{\l@subsection}[2]{%
19183   \ifnum \c@tocdepth >\@ne
19184     \vskip \cftbeforesubsecskip
19185     {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsecindent\relax
19186     \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
19187     \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
19188     \parindent \cftsubsecindent\relax\@afterindenttrue

```



```

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

```



```

19239 \parindent \cftsubparaindent\relax\@afterindenttrue
19240 \interlinepenalty\@M
19241 \leavevmode
19242 \@tempdima \cftsubparanumwidth\relax
19243 \let\@cftbsnum \cftsubparapresnum
19244 \let\@cftasnum \cftsubparaaftersnum
19245 \let\@cftasnumb \cftsubparaaftersnumb
19246 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
19247 {\cftsubparafont #1}\nobreak
19248 \cftsubparafillnum{#2}}
19249 \fi}
19250 \renewcommand*{\l@figure}[2]{%
19251 \ifnum \c@lofdepth >\z@
19252 \vskip \cftbeforefigskip
19253 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
19254 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19255 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19256 \parindent \cftfigindent\relax\@afterindenttrue
19257 \interlinepenalty\@M
19258 \leavevmode
19259 \@tempdima \cftfignumwidth\relax
19260 \let\@cftbsnum \cftfigpresnum
19261 \let\@cftasnum \cftfigaftersnum
19262 \let\@cftasnumb \cftfigaftersnumb
19263 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
19264 {\cftfigfont #1}\nobreak
19265 \cftfigfillnum{#2}}
19266 \fi
19267 }
19268 \renewcommand*{\l@table}[2]{%
19269 \ifnum\c@lotdepth >\z@
19270 \vskip \cftbeforetabskip
19271 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
19272 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19273 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19274 \parindent \cfttabindent\relax\@afterindenttrue
19275 \interlinepenalty\@M
19276 \leavevmode
19277 \@tempdima \cfttabnumwidth\relax
19278 \let\@cftbsnum \cfttabpresnum
19279 \let\@cftasnum \cfttabaftersnum
19280 \let\@cftasnumb \cfttabaftersnumb
19281 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
19282 {\cfttabfont #1}\nobreak
19283 \cfttabfillnum{#2}}
19284 \fi
19285 }
19286 \renewcommand{\@cftl@subfig}{
19287 \renewcommand*{\l@subfigure}[2]{%
19288 \ifnum \c@lofdepth > \toclevel@subfigure

```



```

19289 \vskip \cftbeforesubfigskip
19290 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubfigindent\relax
19291 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19292 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19293 \parindent \cftsubfigindent\relax\@afterindenttrue
19294 \interlinepenalty\@M
19295 \leavevmode
19296 \@tempdima \cftsubfignumwidth\relax
19297 \let\@cftbsnum \cftsubfigpresnum
19298 \let\@cftasnum \cftsubfigaftersnum
19299 \let\@cftasnumb \cftsubfigaftersnumb
19300 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19301 {\cftsubfigfont ##1}\nobreak
19302 \cftsubfigfillnum{##2}}
19303 \fi
19304 }
19305 }
19306 \renewcommand{\@cftl@subtab}{
19307 \renewcommand*{\l@subtable}[2]{%
19308 \ifnum \c@lotdepth > \toclevel@subtable
19309 \vskip \cftbeforesubtabskip
19310 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubtabindent\relax
19311 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19312 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19313 \parindent \cftsubtabindent\relax\@afterindenttrue
19314 \interlinepenalty\@M
19315 \leavevmode
19316 \@tempdima \cftsubtabnumwidth\relax
19317 \let\@cftbsnum \cftsubtabpresnum
19318 \let\@cftasnum \cftsubtabaftersnum
19319 \let\@cftasnumb \cftsubtabaftersnumb
19320 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19321 {\cftsubtabfont ##1}\nobreak
19322 \cftsubtabfillnum{##2}}
19323 \fi
19324 }
19325 }
19326 \renewcommand{\newlistentry}[4][\@empty]{%
19327 \@ifundefined{c@#2}{% check & set the counter
19328 \ifx \@empty#1\relax
19329 \newcounter{#2}
19330 \else
19331 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19332 {#1 has no counter for use as a `within'}
19333 \newcounter{#2}}%
19334 {\newcounter{#2}[#1}%
19335 \expandafter\edef\csname the#2\endcsname{%
19336 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19337 \fi
19338 \setcounter{#2}{0}

```



```

19339 }
19340 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19341
19342 \@namedef{l@#2}##1##2{%
19343   \ifnum \@nameuse{c@#3depth} > #4\relax
19344     \vskip \@nameuse{cftbefore#2skip}
19345     {\ifRTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19346     \ifRTL\leftskip\else\righskip\fi \@tocrmarg
19347     \parfillskip -\ifRTL\leftskip\else\righskip\fi
19348     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19349     \interlinepenalty\@M
19350     \leavevmode
19351     \@tempdima \@nameuse{cft#2numwidth}\relax
19352     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19353     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19354     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19355     \advance\ifRTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\ifRTL\righ
19356     {\@nameuse{cft#2font}##1}\nobreak
19357     \@nameuse{cft#2fillnum}{##2}}
19358   \fi
19359 } % end of l@#2
19360
19361 \expandafter\newlength\csname cftbefore#2skip\endcsname
19362   \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19363 \expandafter\newlength\csname cft#2indent\endcsname
19364 \expandafter\newlength\csname cft#2numwidth\endcsname
19365 \ifcase #4\relax % 0
19366   \setlength{\@nameuse{cft#2indent}}{0em}
19367   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19368 \or % 1
19369   \setlength{\@nameuse{cft#2indent}}{1.5em}
19370   \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19371 \or % 2
19372   \setlength{\@nameuse{cft#2indent}}{3.8em}
19373   \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19374 \or % 3
19375   \setlength{\@nameuse{cft#2indent}}{7.0em}
19376   \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19377 \else % anything else
19378   \setlength{\@nameuse{cft#2indent}}{10.0em}
19379   \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19380 \fi
19381 \@namedef{cft#2font}{\normalfont}
19382 \@namedef{cft#2presnum}{}
19383 \@namedef{cft#2aftersnum}{}
19384 \@namedef{cft#2aftersnumb}{}
19385 \@namedef{cft#2dotsep}{\cftdotsep}
19386 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19387 \@namedef{cft#2pagefont}{\normalfont}
19388 \@namedef{cft#2afterpnum}{}

```



```

19389 \namedef{toclevel@#2}{#4}
19390 \namedef{cft#2fillnum}##1{%
19391   {\@nameuse{cft#2leader}}\nobreak
19392   \hb@xt@{\pnumwidth{\hfil\@nameuse{cft#2pagefont}}##1}\@nameuse{cft#2afterpnum}\par}
19393 } % end \newlistentry
19394 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
19395   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19396   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19397   \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19398   \textit{#1}\protect\par}}}}

```

## 122 File tocbasic-xetex-bidi.def

```

19399 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19400 \bidi@undef\scr@dte@def@l@undottedtocline
19401 \bidi@undef\scr@dte@undottedtocline@init
19402 \DeclareTOCEntryStyle{undottedtocline}[%
19403   \DefineTOCEntryLengthOption{indent}%
19404     {scr@tso@}{@indent}{entry indent}%
19405   \DefineTOCEntryLengthOption{numwidth}%
19406     {scr@tso@}{@numwidth}{entry number width}%
19407   \@ifundefined{#1tocdepth}{%
19408     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19409       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19410         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19411           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19412             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19413               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19414                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19415                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19416                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19417                       \expandafter\let\csname #1tocdepth\endcsname
19418                         \csname #1numdepth\endcsname
19419                     }%
19420                   }%
19421                 }%
19422               }%
19423             }%
19424           }%
19425         }%
19426       }%
19427     }%
19428   }{}%
19429   \@ifundefined{scr@tso@#1@indent}{%
19430     \@ifundefined{scr@#1@tocindent}{%
19431       \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19432         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19433           \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19434             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19435               \scr@ifundefinedorrelax{l@chapter}{%

```





```

19436 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19437 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19438 \ifstr{#1}{subsubsection}{%
19439 \@namedef{scr@tso@#1@indent}{3.8em}%
19440 }{%
19441 \ifstr{#1}{paragraph}{%
19442 \@namedef{scr@tso@#1@indent}{7em}%
19443 }{%
19444 \ifstr{#1}{subparagraph}{%
19445 \@namedef{scr@tso@#1@indent}{10em}%
19446 }{%
19447 }%
19448 }%
19449 }%
19450 }%
19451 }%
19452 }{%
19453 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19454 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19455 \ifstr{#1}{subsubsection}{%
19456 \@namedef{scr@tso@#1@indent}{7.0em}%
19457 }{%
19458 \ifstr{#1}{paragraph}{%
19459 \@namedef{scr@tso@#1@indent}{10em}%
19460 }{%
19461 \ifstr{#1}{subparagraph}{%
19462 \@namedef{scr@tso@#1@indent}{12em}%
19463 }{%
19464 }%
19465 }%
19466 }%
19467 }%
19468 }%
19469 }%
19470 }%
19471 }%
19472 }%
19473 }%
19474 }{%
19475 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19476 }%
19477 }{}%
19478 \@ifundefined{scr@tso@#1@numwidth}{%
19479 \@ifundefined{scr@#1@tocnumwidth}{%
19480 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19481 \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19482 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19483 \scr@ifundefinedorrelax{chapter}{%
19484 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19485 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%

```



```

19486 \ifstr{#1}{subsubsection}{%
19487 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19488 }{%
19489 \ifstr{#1}{paragraph}{%
19490 \@namedef{scr@tso@#1@numwidth}{4.1em}%
19491 }{%
19492 \ifstr{#1}{subparagraph}{%
19493 \@namedef{scr@tso@#1@numwidth}{5em}%
19494 }{%
19495 }%
19496 }%
19497 }%
19498 }%
19499 }%
19500 }{%
19501 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19502 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19503 \ifstr{#1}{subsubsection}{%
19504 \@namedef{scr@tso@#1@numwidth}{3.1em}%
19505 }{%
19506 \ifstr{#1}{paragraph}{%
19507 \@namedef{scr@tso@#1@numwidth}{5em}%
19508 }{%
19509 \ifstr{#1}{subparagraph}{%
19510 \@namedef{scr@tso@#1@numwidth}{6em}%
19511 }{%
19512 }%
19513 }%
19514 }%
19515 }%
19516 }%
19517 }%
19518 }%
19519 }%
19520 }%
19521 }{%
19522 \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19523 }%
19524 }{}%
19525 }}%
19526 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19527 \ifnum \@nameuse{#1tocdepth}<\@ne
19528 \scr@ifundefinedorrelax{chapter}{%
19529 \addpenalty\@secpenalty
19530 \addvspace{1.0em \@plus\p@}%
19531 }{%
19532 \addpenalty{-\@highpenalty}%
19533 \vskip 1.0em \@plus\p@
19534 }%
19535 \else

```



```

19536 \addpenalty\@secpenalty
19537 \addvspace{1.0em \@plus\p@}%
19538 \fi
19539 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19540 \begingroup
19541 \parindent \z@ \bidi@rightskip \@pnumwidth
19542 \parfillskip -\@pnumwidth
19543 \leavevmode
19544 \bfseries
19545 \advance\bidi@leftskip\@tempdima
19546 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19547 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19548 ##1%
19549 \nobreak
19550 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19551 \par
19552 \penalty\@highpenalty
19553 \endgroup
19554 \fi
19555 }
19556
19557 \bidi@undef\scr@dte@def@1@targetocline
19558 \bidi@undef\scr@dte@targetocline@init
19559 \DeclareTOCEntryStyle{targetocline}[{%
19560 \DefineTOCEntryLengthOption{indent}%
19561 {scr@tso@}{@indent}{entry indent}%
19562 \@ifundefined{#1tocdepth}{%
19563 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19564 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19565 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19566 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19567 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19568 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19569 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19570 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19571 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19572 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19573 \csname #1numdepth\endcsname
19574 }%
19575 }%
19576 }%
19577 }%
19578 }%
19579 }%
19580 }%
19581 }%
19582 }%
19583 }{}%
19584 \@ifundefined{scr@tso@#1@indent}{%
19585 \@ifundefined{scr@#1@tocindent}{%

```



```

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

```



```

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

```



```

19686 \def\reserved@a{\raggedright}%
19687 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19688 \addtolength\bi@rightskip\@flushglue
19689 \else
19690 \renewcommand\reserved@a{\raggedright}%
19691 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19692 \addtolength\bi@rightskip\@flushglue
19693 \fi
19694 \fi
19695 \fi
19696 \leavevmode
19697 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19698 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19699 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
19700 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19701 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19702 \fi
19703 }%
19704 }{}%
19705 \advance\bi@leftskip \@tempdima
19706 \null\nobreak\hskip -\bi@leftskip
19707 {%
19708 \usetocbasicnumberline
19709 \let\scr@dte@numberline@box\numberline@box
19710 \def\numberline@box##1{%
19711 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19712 \global\scr@dte@tocline@numberwidth
19713 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19714 \ifdim \scr@dte@tocline@numberwidth
19715 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19716 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19717 \fi
19718 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19719 \ifdim \scr@dte@tocline@numberwidth
19720 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19721 +\@nameuse{scr@tso@#1@numsep}\relax
19722 \PackageWarning{tocbasic}%
19723 }{%
19724 number width of #1 toc entries should be
19725 increased!\MessageBreak
19726 Currently used number width =
19727 \the\wd\scr@dte@tocline@numbox,\MessageBreak
19728 Wanted number separation
19729 \space\space\space =
19730 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19731 Reserved number width \space\space\space\space\space\space =
19732 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19733 }%
19734 \fi
19735 }%

```



```

19736 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19737 \@nameuse{Ifscr@tso@#1@breakafternumber}}{%
19738 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19739 }{}%
19740 }%
19741 \@nameuse{scr@tso@#1@entryformat}}{%
19742 #2%
19743 \nobreak
19744 {%
19745 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
19746 \nobreak
19747 \@nameuse{scr@tso@#1@pagenumberbox}}{%
19748 \@nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19749 }%
19750 }%
19751 \@par
19752 }%
19753 }%
19754 }%
19755 \tocbasic@SetPenaltyByTOCLevel{#1}%
19756 \fi
19757 }
19758
19759 \bidi@undef\scr@dte@def@l@tocline
19760 \bidi@undef\scr@dte@tocline@init
19761 \DeclareTOCEntryStyle{tocline}[%
19762 \DefineTOCEntryLengthOption{beforeskip}%
19763 {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19764 \DefineTOCEntryIfOption{breakafternumber}%
19765 {scr@tso@}{@breakafternumber}{line break after number flag}%
19766 \DefineTOCEntryIfOption{dynnumwidth}%
19767 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19768 \DefineTOCEntryCommandOption{entryformat}%
19769 {scr@tso@}{@entryformat}[1]{entry format}%
19770 \DefineTOCEntryCommandOption{entrynumberformat}%
19771 {scr@tso@}{@numberformat}[1]{entry number format}%
19772 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19773 {scr@tso@}{@linefill}{filling between text and page number}%
19774 \DefineTOCEntryLengthOption{numsep}%
19775 {scr@tso@}{@numsep}{entry number separation}%
19776 \DefineTOCEntryCommandOption{onstarthigherlevel}%
19777 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19778 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19779 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19780 \DefineTOCEntryCommandOption{onstartsamelevel}%
19781 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19782 \DefineTOCEntryCommandOption{pagenumberbox}%
19783 {scr@tso@}{@pagenumberbox}[1]{page number box}%
19784 \DefineTOCEntryCommandOption{pagenumberformat}%
19785 {scr@tso@}{@pagenumberformat}[1]{page number format}%

```



```

19786 \DefineTOCEntryOption{raggedentrytext}[true]{%
19787   \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19788   \ifx\FamilyKeyState\FamilyKeyStateProcessed
19789     \if@tempswa
19790       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19791       \raggedright
19792     \else
19793       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19794       \relax
19795     \fi
19796   \fi
19797 }%
19798 \DefineTOCEntryIfOption{raggedpagenumber}%
19799   {scr@tso@}{@raggedpage}{page number ragged flag}%
19800 \DefineTOCEntryLengthOption{indent}%
19801   {scr@tso@}{@indent}{entry indent}%
19802 \DefineTOCEntryLengthOption{numwidth}%
19803   {scr@tso@}{@numwidth}{entry number width}%
19804 \scr@ifundefinedorrelax{#1tocdepth}{%
19805   \ifstrstart{#1}{sub}{%
19806     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19807       \expandafter\edef\csname #1tocdepth\endcsname{%
19808         \the\numexpr \noexpand@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19809       }%
19810     }%
19811   }{}%
19812 }{}%
19813 \@ifundefined{#1tocdepth}{%
19814   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19815     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19816       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19817         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19818           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19819             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19820               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19821                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{11}}{%
19822                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{11}}{%
19823                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
19824                     \csname #1numdepth\endcsname
19825                   }%
19826                 }%
19827               }%
19828             }%
19829           }%
19830         }%
19831       }%
19832     }%
19833   }{}%
19834 }{}%
19835 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%

```





```

19836 \ifundefined{scr@#1@tocindent}{%
19837 \ifstrstart{#1}{sub}{%
19838 \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@indent}{%
19839 \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@numwidth}{}{%
19840 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19841 \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
19842 \relax
19843 }%
19844 }%
19845 }{%
19846 \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@numwidth}{%
19847 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19848 \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
19849 \relax
19850 }%
19851 }{%
19852 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19853 \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
19854 +\noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
19855 \relax
19856 }%
19857 }%
19858 }%
19859 }{}%
19860 }{%
19861 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19862 }%
19863 }{}%
19864 \ifundefined{scr@tso@#1@indent}{%
19865 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19866 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19867 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19868 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19869 \scr@ifundefinedorrelax{l@chapter}{%
19870 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19871 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19872 \ifstr{#1}{subsubsection}{%
19873 \@namedef{scr@tso@#1@indent}{3.8em}%
19874 }{%
19875 \ifstr{#1}{paragraph}{%
19876 \@namedef{scr@tso@#1@indent}{7em}%
19877 }{%
19878 \ifstr{#1}{subparagraph}{%
19879 \@namedef{scr@tso@#1@indent}{10em}%
19880 }{%
19881 }%
19882 }%
19883 }%
19884 }%
19885 }%

```



```

19886      }{%
19887      \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19888      \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19889      \ifstr{#1}{subsubsection}{%
19890      \@namedef{scr@tso@#1@indent}{7.0em}%
19891      }{%
19892      \ifstr{#1}{paragraph}{%
19893      \@namedef{scr@tso@#1@indent}{10em}%
19894      }{%
19895      \ifstr{#1}{subparagraph}{%
19896      \@namedef{scr@tso@#1@indent}{12em}%
19897      }{%
19898      }%
19899      }%
19900      }%
19901      }%
19902      }%
19903      }%
19904      }%
19905      }%
19906      }%
19907      }%
19908      }{}%
19909      \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19910      \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19911      \ifstrstart{#1}{sub}{%
19912      \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19913      \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19914      \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19915      +.9em}%
19916      \relax
19917      }%
19918      }%
19919      }{}%
19920      }{%
19921      \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19922      }%
19923      }{}%
19924      \@ifundefined{scr@tso@#1@numwidth}{%
19925      \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19926      \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19927      \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19928      \scr@ifundefinedorrelax{chapter}{%
19929      \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19930      \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19931      \ifstr{#1}{subsubsection}{%
19932      \@namedef{scr@tso@#1@numwidth}{3.2em}%
19933      }{%
19934      \ifstr{#1}{paragraph}{%
19935      \@namedef{scr@tso@#1@numwidth}{4.1em}%

```



```

19936         }{%
19937         \ifstr{#1}{subparagraph}{%
19938         \@namedef{scr@tso@#1@numwidth}{5m}%
19939         }{%
19940         }%
19941         }%
19942         }%
19943         }%
19944         }%
19945     }{%
19946     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19947     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19948     \ifstr{#1}{subsubsection}{%
19949     \@namedef{scr@tso@#1@numwidth}{3.1em}%
19950     }{%
19951     \ifstr{#1}{paragraph}{%
19952     \@namedef{scr@tso@#1@numwidth}{5em}%
19953     }{%
19954     \ifstr{#1}{subparagraph}{%
19955     \@namedef{scr@tso@#1@numwidth}{6em}%
19956     }{%
19957     }%
19958     }%
19959     }%
19960     }%
19961     }%
19962     }%
19963     }%
19964     }%
19965     }%
19966 }{}%
19967 \expandafter\renewcommand%
19968 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19969 \expandafter\renewcommand%
19970 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19971 \expandafter\renewcommand%
19972 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19973 \@ifundefined{scr@tso@#1@beforeskip}{%
19974     \ifstr{#1}{part}{%
19975     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19976     }{%
19977     \ifstr{#1}{chapter}{%
19978     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19979     }{%
19980     \ifstr{#1}{section}{%
19981     \scr@ifundefinedorrelax{1@chapter}{%
19982     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19983     }{}%
19984     }{}%
19985     }%

```



```

19986 }%
19987 \expandafter\renewcommand\expandafter*%
19988 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19989 }{}%
19990 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19991 \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19992 \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19993 }{}%
19994 \renewcommand*{\scr@dte@donumwidth}{}%
19995 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19996 \expandafter\renewcommand\expandafter*%
19997 \csname scr@tso@#1@numsep\endcsname{.4em}%
19998 \expandafter\renewcommand%
19999 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
20000 \ifstr{#1}{part}{%
20001 \expandafter\renewcommand%
20002 \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
20003 }{}%
20004 \ifstr{#1}{chapter}{%
20005 \expandafter\renewcommand%
20006 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20007 }{}%
20008 \scr@ifundefinedorrelax{1@chapter}{%
20009 \ifstr{#1}{section}{%
20010 \expandafter\renewcommand%
20011 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20012 }{}%
20013 }{}%
20014 \expandafter\renewcommand%
20015 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
20016 }%
20017 }%
20018 \expandafter\renewcommand
20019 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
20020 \@ifundefined{scr@tso@#1@linefill}{%
20021 \ifstr{#1}{part}{%
20022 \@namedef{scr@tso@#1@linefill}{\hfill}%
20023 }{}%
20024 \ifstr{#1}{chapter}{%
20025 \@namedef{scr@tso@#1@linefill}{\hfill}%
20026 }{}%
20027 \scr@ifundefinedorrelax{1@chapter}{%
20028 \ifstr{#1}{section}{%
20029 \@namedef{scr@tso@#1@linefill}{\hfill}%
20030 }{}
20031 }{}
20032 \expandafter\renewcommand%
20033 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20034 }%
20035 }%

```



```

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

```

## 123 File tocstyle-xetex-bidi.def

```

20054 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
20055 \renewcommand*{\tocstyle@dottedtocline}[5]{%
20056   \let\numberline\tocstyle@numberline
20057   \ifnum #1>\c@tocdepth \else
20058     \if@tocstyle@penalties
20059       \begingroup
20060         \@tempcnta 20010
20061         \advance \@tempcnta by -#1
20062         \ifnum \@tempcnta>\lastpenalty
20063           \aftergroup\penalty\aftergroup\@lowpenalty
20064         \fi
20065       \endgroup
20066     \fi
20067     \edef\tocstyle@depth{#1}%
20068     \tocstyle@activate@features
20069     \ifx\tocstyle@feature@entryvskip\relax
20070       \vskip \z@ \@plus.2\p@
20071     \else
20072       \addvspace{\tocstyle@feature@entryvskip}%
20073     \fi
20074   }%
20075   \parskip \z@ \parindent \z@ \ifRTL\righskip\else\leftskip\fi \z@ \ifRTL\leftskip\else
20076   \tocstyle@feature@raggedhook
20077   \@tempdima #3\relax
20078   \@tempdimb #2\relax
20079   \typeout{m (\tocstyleTOC, \tocstyle@depth): \the\@tempdima}%
20080   \ifnum #1>\z@\relax
20081     \@tempcnta #1\relax \advance\@tempcnta \m@ne
20082     \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname

```



```

20083         \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20084             \@tempdimb
20085             \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20086             \advance\@tempdimb
20087             \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20088         \fi
20089     \fi
20090 \fi
20091 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20092 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20093     \ifdim \@tempdimb>
20094         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20095         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20096             @#1\endcsname{\the\@tempdimb}%
20097     \fi
20098 \else
20099     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20100         @#1\endcsname{\the\@tempdimb}%
20101 \fi
20102 \iftocstyle@autolength
20103     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20104         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20105         \relax
20106     \fi
20107     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20108         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20109         \relax
20110     \fi
20111     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20112     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20113 \else
20114     \@tempdimb #2\relax
20115     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20116 \fi
20117 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20118     \ifdim \@tempdima>
20119         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20120         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20121             @\endcsname{\the\@tempdima}%
20122     \fi
20123 \else
20124     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20125         @\endcsname{\the\@tempdima}%
20126 \fi
20127 \ifcase\tocstyle@indentstyle\relax\else
20128     \@tempdimb \z@
20129     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20130         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20131         \relax
20132     \fi

```



```

20133         \typeout{s (\tocstyleToc, \tocstyledepth): \the\@tempdima}%
20134         \typeout{S (\tocstyleToc, \tocstyledepth): \the\@tempdimb}%
20135     \fi
20136     \advance\parindent \@tempdimb\@afterindenttrue
20137     \advance\if@RTL\rightskip\else\leftskip\fi \parindent
20138     \advance\if@RTL\leftskip\else\rightskip\fi \toctrmarg
20139     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20140     \ifx\tocstyle@feature@parfillskip\relax\else
20141         \advance\parfillskip \tocstyle@feature@parfillskip\relax
20142     \fi
20143     \interlinepenalty\@M
20144     \leavevmode
20145     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
20146     \null\nobreak
20147     \iftocstyle@indentnotnumbered\else
20148         \hskip -\if@RTL\rightskip\else\leftskip\fi
20149     \fi
20150     \tocstyle@feature@entryhook
20151     {#4}\nobreak
20152     \ifx\tocstyle@feature@leaders\relax
20153         \leaders\hbox{$\m@th
20154             \mkern \dotsep mu\hbox{\tocstyle@feature@dothook .}%
20155             \mkern \dotsep mu$}\hfill
20156     \else
20157         \tocstyle@feature@leaders
20158     \fi
20159     \nobreak
20160     \ifx\tocstyle@feature@pagenumberbox\relax
20161         \hbxt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
20162     \else
20163         \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20164     \fi
20165     \par
20166 }%
20167 \if\tocstyle@penalties
20168     \bgroup
20169     \@tempcnta 20009
20170     \advance\@tempcnta by -#1
20171     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
20172     \reserved@a
20173 \fi
20174 \fi}
20175 \renewcommand*{\tocstyle@numberline}[1]{%
20176 \begingroup
20177     \ifx\tocstyle@feature@spaceafternumber\relax
20178         \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
20179     \else
20180         \settowidth\@tempdima{\tocstyle@numberline{#1}}%
20181         \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20182     \fi

```



```

20183 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20184 \ifdim \@tempdima >
20185 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20186 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20187 @\tocstyledepth\endcsname{\the\@tempdima}%
20188 \fi
20189 \else
20190 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20191 @\tocstyledepth\endcsname{\the\@tempdima}%
20192 \fi
20193 \endgroup
20194 \iftocstyle@indentnotnumbered
20195 \hskip -\if@RTL\rightskip\else\leftskip\fi
20196 \fi
20197 \ifcase \tocstyle@indentstyle
20198 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
20199 \or
20200 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
20201 \else
20202 \ifx\tocstyle@feature@spaceafternumber\relax
20203 \hbox{\tocstyle@numberline{#1}\enskip}%
20204 \else
20205 \hbox{\tocstyle@numberline{#1}\hskip
20206 \tocstyle@feature@spaceafternumber\relax}%
20207 \fi
20208 \fi
20209 }
20210 \AtBeginDocument{%
20211 \ifcsname l@part\endcsname
20212 \ifcsname l@chapter\endcsname
20213 \setbox\@tempboxa\vbox{\hsize\maxdimen
20214 \l@part{\tocstyle@l@define{part}{-1}}{}}%
20215 \else
20216 \setbox\@tempboxa\vbox{\hsize\maxdimen
20217 \l@part{\tocstyle@l@define{part}{0}}{}}%
20218 \fi
20219 \fi
20220 \ifcsname l@chapter\endcsname
20221 \setbox\@tempboxa\vbox{\hsize\maxdimen
20222 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
20223 \fi
20224 \ifcsname l@section\endcsname
20225 \setbox\@tempboxa\vbox{\hsize\maxdimen
20226 \l@section{\tocstyle@l@define{section}{1}}{}}%
20227 \fi
20228 \ifcsname l@subsection\endcsname
20229 \setbox\@tempboxa\vbox{\hsize\maxdimen
20230 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
20231 \fi
20232 \ifcsname l@subsubsection\endcsname

```





```

20233 \setbox\@tempboxa\vbox{\hsize\maxdimen
20234 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
20235 \fi
20236 \ifcsname l@paragraph\endcsname
20237 \setbox\@tempboxa\vbox{\hsize\maxdimen
20238 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
20239 \fi
20240 \ifcsname l@subparagraph\endcsname
20241 \setbox\@tempboxa\vbox{\hsize\maxdimen
20242 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
20243 \fi
20244 \ifcsname l@table\endcsname
20245 \setbox\@tempboxa\vbox{\hsize\maxdimen
20246 \l@table{\tocstyle@l@define{table}{1}}{}}%
20247 \fi
20248 \ifcsname l@figure\endcsname
20249 \setbox\@tempboxa\vbox{\hsize\maxdimen
20250 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
20251 \fi
20252 \def\@tempa#1#2#3#4#5{%
20253 \ifnum #1>\c@tocdepth \else
20254 \vskip \z@ \@plus.2\p@
20255 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
20256 \parindent #2\relax\@afterindenttrue
20257 \interlinepenalty\@M
20258 \leavevmode
20259 \@tempdima #3\relax
20260 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
20261 {#4}\nobreak
20262 \leaders\hbox{$\m@th
20263 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20264 mu$}\hfill
20265 \nobreak
20266 \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
20267 \par}%
20268 \fi}%
20269 \ifx\@dottedtocline\@tempa\else
20270 \tocstyle@macrochangewarning\@dottedtocline
20271 \fi
20272 \let\tocstyle@saved@dottedtocline\@dottedtocline
20273 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
20274 \ifx\numberline\@tempa\else
20275 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
20276 \ifx\numberline\@tempa\else
20277 \tocstyle@macrochangewarning\numberline
20278 \fi
20279 \fi
20280 \let\tocstyle@saved@numberline\numberline
20281 }
20282 \renewcommand*{\tocstyle@l@define}[2]{%

```



```

20283 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
20284 \edef\@tempa{%
20285   \noexpand\global\noexpand\let
20286   \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20287   \expandafter\noexpand\csname l@#1\endcsname
20288   \noexpand\gdef
20289   \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20290     \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20291   \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@#1{%
20292     \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20293     \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20294   }%
20295 }%
20296 \PackageInfo{tocstyle}{prepare \expandafter\string
20297   \csname l@#1\endcsname\space for redefinition}%
20298 \@tempa
20299 }

```

## 124 File todonotes-xetex-bidi.def

```

20300 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
20301 \newif\if@bidi@todonotes@textdirection@RTL
20302 \newif\if@bidi@todonotes@figposition@right
20303 \newcommand{\@bidi@todonotes@align}{}%
20304 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20305 \newcommand{\@bidi@todonotes@textdirection}{}%
20306 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
20307   \ifcase\@bidi@todonotes@tempb\relax
20308     \@bidi@todonotes@textdirection@RTLtrue
20309     \let\@bidi@todonotes@textdirection\RLE
20310   \or
20311     \@bidi@todonotes@textdirection@RTLfalse
20312     \let\@bidi@todonotes@textdirection\LRE
20313   \fi}
20314 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
20315   \ifcase\@bidi@todonotes@tempb\relax
20316     \@bidi@todonotes@figposition@righttrue
20317   \or
20318     \@bidi@todonotes@figposition@rightfalse
20319   \fi}
20320 \if@todonotes@disabled%
20321 \else % \if@todonotes@disabled
20322 \renewcommand{\@todonotes@drawInlineNote}{%
20323   \if@todonotes@dviStyle%
20324     {\par\noindent\begin{tikzpicture}[remember picture]%
20325       \draw node[inlinenotestyle] {};\end{tikzpicture}}\par}%
20326   \if@todonotes@authorgiven%
20327     {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20328   \else%
20329     {\noindent \@todonotes@sizecommand \@todonotes@text}%

```



```

20330         \fi
20331         {\par\noindent\begin{tikzpicture}[remember picture]%
20332             \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20333     \else%
20334         {\par\noindent\begin{tikzpicture}[remember picture]%
20335             \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20336             \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
20337                 \if@todonotes@authorgiven%
20338                     {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20339                 \else%
20340                     {\noindent \@todonotes@sizecommand \@todonotes@text}%
20341                 \fi};%
20342             \end{tikzpicture}\par}%
20343     \fi}%
20344 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20345 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20346     \node [coordinate] (inText) {};%
20347 \end{tikzpicture}%
20348 \marginpar[{\% Draw note in left margin
20349     \@todonotes@drawMarginNote%
20350     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20351 }]{\% Draw note in right margin
20352     \@todonotes@drawMarginNote%
20353     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20354 }%
20355 }%
20356 \renewcommand{\@todonotes@drawMarginNote}{%
20357 \if@todonotes@dviStyle%
20358     \begin{tikzpicture}[remember picture]%
20359         \draw node[notestyle] {};%
20360     \end{tikzpicture}\\%
20361     \begin{minipage}{\@todonotes@textwidth}%
20362         \if@todonotes@authorgiven%
20363             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20364         \else%
20365             \@todonotes@sizecommand \@todonotes@text%
20366         \fi%
20367     \end{minipage}\\%
20368     \begin{tikzpicture}[remember picture]%
20369         \draw node[notestyle] (inNote) {};%
20370     \end{tikzpicture}%
20371 \else%
20372     \let\originalHbadness\hbadness%
20373     \hbadness 100000%
20374     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20375         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20376         \node(X){\vphantom{X}};%
20377         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
20378             {\@todonotes@text};%
20379         \if@todonotes@authorgiven%

```



```

20380         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20381         {\@todonotes@sizecommand\@todonotes@author};%
20382         \node(Y)[below=of X]{};%
20383         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20384         {\@todonotes@text};%
20385     \else%
20386         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20387         {\@todonotes@text};%
20388     \fi%
20389 \end{tikzpicture}%
20390 \hbadness \originalHbadness%
20391 \fi}%
20392 \renewcommand{\missingfigure}[2][]{%
20393     \setkeys{todonotes}{#1}%
20394     \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20395     \par
20396     \noindent
20397     \begin{tikzpicture}
20398         \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20399             (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20400         \if@bidi@todonotes@figposition@right%
20401             \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20402                 \fi%
20403                 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20404                     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20405                 \if@bidi@todonotes@figposition@right%
20406                     \end{scope}
20407                 \begin{scope}[xshift=-3.8cm]
20408                     \fi%
20409                     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20410                     \draw (2, -0.3) node[right, text
20411                         width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
20412                     \if@bidi@todonotes@figposition@right%
20413                         \end{scope}
20414                     \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20415                         \fi%
20416                         \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20417                         \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20418                         \if@bidi@todonotes@figposition@right%
20419                             \end{scope}
20420                         \fi%
20421                     \end{tikzpicture}\hfill
20422                 }% Ending \missingfigure command
20423             \fi % Ending \@todonotes@ifdisabled
20424             \presetkeys%
20425                 {todonotes}%
20426                 {align=left,%
20427                 textdirection=lefttoright,%
20428                 figposition=left}{}%

```



## 125 File wrapfig-xetex-bidi.def

```

20429 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20430 \let\WF@@everypar\ bidi@n@everypar
20431 \def\WF@putfigmaybe{%
20432 \ifinner
20433 \vskip-\parskip \global\WF@floatfalse
20434 \let\pagetotal\maxdimen % kludge flag for "not top of page"
20435 \else % outer page
20436 \@tempdima\pagedepth % save page depth
20437 {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20438 \penalty\interlinepenalty % update pg. parameters
20439 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20440 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20441 \global\WF@floatfalse
20442 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20443 \else
20444 \ifdim\WF@size>\@tempdimb
20445 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20446 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20447 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20448 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20449 \advance\dimen@.5\baselineskip
20450 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20451 \global\WF@floatfalse \pagebreak
20452 \fi
20453 \else % \WF@info{Fits in \the\@tempdimb;}%
20454 \global\WF@floatfalse
20455 \fi\fi
20456 \vskip\@tempdima\relax % (return erased page depth)
20457 \fi
20458 \noindent
20459 \ifWF@float
20460 \WF@fltnes
20461 \else % putting here;
20462 \WF@info{Put \WF@wfname here;}%
20463 {\ifodd\if@twoside\c@page\else\one\fi % assign l/r to i/o placement
20464 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20465 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20466 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20467 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20468 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20469 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20470 \xdef\WF@adlw{\the\@tempdima}%
20471 \ifnum `l=\WF@place % fig on left
20472 \ifRTL%
20473 \kern\@tempdimb \kern\columnsep
20474 \def\@tempa{\hss}% position to left of the gap
20475 \else%
20476 \hss % figure overlaps space to the left

```



```

20477 \def\@tempa{\kern\columnsep}% position to left of the gap
20478 \fi%
20479 \else % fig on right
20480 \if@RTL%
20481 \hss
20482 \@tempdima\z@
20483 \def\@tempa{\kern\columnsep}
20484 \else%
20485 \@tempdima\z@ % no left indentation
20486 \kern\@tempdima \kern\columnsep
20487 \def\@tempa{\hss}% figure overlaps space to the right
20488 \fi%
20489 \fi
20490 \ifdim\@tempdima<\hsize
20491 \xdef\WF@wrapil{\the\@tempdima \the\@tempdima}% indentation and length
20492 \xdef\WF@adjtlm{\the\@tempdima}%
20493 \else
20494 \xdef\WF@wrapil{\z@ \the\hsize}%
20495 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20496 \fi
20497 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20498 \global\advance\WF@size-\intextsep
20499 \else % \WF@info{Putting \WF@wfname in middle of page}%
20500 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20501 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20502 }% end \hbox to Opt
20503 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20504 \fi}

```

## 126 File xcolor-xetex-bidi.def

```

20505 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X
20506 \long\def\color@b@x#1#2#3%
20507 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20508 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20509 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20510 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20511 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
20512 \def\normalcolor{\let\currentcolor\defaultcolor\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20513 \DeclareRobustCommand\color
20514 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
20515 \def\@undeclaredcolor[#1]#2%
20516 {\begingroup
20517 \let\@ccls\@empty
20518 \XC@getmodclr12{#1}{#2}{}%
20519 {\ifblendcolors
20520 \ifx\colorblend\@empty\else
20521 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20522 \XC@coremodel\@mod\@clr\xcolor@{ }\@mod\@clr
20523 \fi

```



```

20524 \fi
20525 \ifconvertcolorsU
20526 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20527 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20528 \fi
20529 \ifmaskcolors
20530 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20531 \let\@mod\XC@mmod
20532 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20533 \expandafter\XC@mul\@tmp,\@clr
20534 \fi
20535 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20536 \expandafter\endgroup\@tmp}}
20537 \def\@declaredcolor#1%
20538 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20539 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20540 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20541 \ifconvertcolorsU\XC@tsttrue\fi
20542 \fi
20543 \ifXC@tst
20544 \expandafter\XC@declaredcolor\else
20545 \expandafter\XC@declaredc@lor\fi}
20546 \def\XC@undeclaredcolor#1#2%
20547 {\@ifundefinedmodel{#1}%
20548 {\c@lor@error{model `#1'}}%
20549 {\@nameuse{color@#1}\current@color{#2}%
20550 \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
20551 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20552 \def\XC@declaredc@lor
20553 {\XC@let@Nc\XC@current@color{\string\color\@XC@tmp}%
20554 \edef\current@color{\XC@current@color}%
20555 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20556 \DeclareRobustCommand\bidicolor
20557 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20558 \def\@bidiundeclaredcolor[#1]#2%
20559 {\begingroup
20560 \let\@cls@empty
20561 \XC@getmodclr12{#1}{#2}{}%
20562 {\ifblendcolors
20563 \ifx\colorblend\@empty\else
20564 \edef\@mix{\expandafter@gobble\colorblend}\@tempswafalse
20565 \XC@coremodel\@mod\@clr\@xcolor@{\}\@mod\@clr
20566 \fi
20567 \fi
20568 \ifconvertcolorsU
20569 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20570 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20571 \fi
20572 \ifmaskcolors
20573 \convertcolorspec\@mod\@clr\XC@mmod\@clr

```



```

20574 \let\@mod\XC@mod
20575 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20576 \expandafter\XC@mul\@tmp,\@clr
20577 \fi
20578 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20579 \expandafter\endgroup\@tmp}}
20580 \def\XC@bidiundeclaredcolor#1#2%
20581 {\@ifundefinedmodel{#1}%
20582 {\c@lor@error{model `#1'}}%
20583 {\@nameuse{color@#1}\current@color{#2}}%
20584 \edef\XC@current@color{\noexpand\xcolor{#1}{\current@color}{#1}{#2}}%
20585 \XC@display}}
20586 \def\@bidideclaredcolor#1%
20587 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20588 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20589 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20590 \ifconvertcolorsU\XC@tsttrue\fi
20591 \fi
20592 \ifXC@tst
20593 \expandafter\XC@bidideclaredcolor\else
20594 \expandafter\XC@bidideclaredc@lor\fi}
20595 \def\XC@bidideclaredcolor
20596 {\XC@split\XC@tmp
20597 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20598 \expandafter\endgroup\@tmp}
20599 \def\XC@bidideclaredc@lor
20600 {\XC@let@Nc\XC@current@color{\string\color\@XC@tmp}%
20601 \edef\current@color{\XC@current@color}%
20602 \XC@display}
20603 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20604 \def\color@fbbox#1#2#3#4{\protect\color@fb@x{#1}{#2}{#3}}
20605 \def\color@fb@x#1#2#3#4%
20606 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
20607 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20608 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 127 File latex-xetex-bidi.def

```

20609 \ProvidesFile{latex-xetex-bidi.def}[2019/03/03 v1.3.7 bidi adaptations for `latex.ltx' for Xe
20610 \newcommand{\TeXXeTOn}{\TeXXeTstate@ne}
20611 \newcommand{\TeXXeTOff}{\TeXXeTstate@z@}
20612 \TeXXeTOn
20613 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20614 \let\bidi@o@everypar=\everypar
20615 \newtoks\bidi@n@everypar
20616 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20617 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20618 \let\everypar=\bidi@n@everypar
20619 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20620 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}

```





```

20621 \protected\def\hboxR{\hbox\bgroup
20622 \everyhbox{%
20623 \aftergroup\egroup
20624 \everyhbox{}}%
20625 \beginR
20626 \@hboxRconstructtrue
20627 \bgroup
20628 \aftergroup\endR
20629 \aftergroup\egroup
20630 }\hbox}
20631 \protected\def\hboxL{\hbox\bgroup
20632 \everyhbox{%
20633 \aftergroup\egroup
20634 \everyhbox{}}%
20635 \beginL
20636 \@hboxRconstructfalse
20637 \bgroup
20638 \aftergroup\endL
20639 \aftergroup\egroup
20640 }\hbox}
20641 \protected\def\vboxR{\vbox\bgroup
20642 \everyvbox{%
20643 \aftergroup\egroup
20644 \everyvbox{}}%
20645 \@RTLtrue
20646 \@RTLtabtrue
20647 \bgroup
20648 \aftergroup\egroup
20649 }\vbox}
20650 \protected\def\vboxL{\vbox\bgroup
20651 \everyvbox{%
20652 \aftergroup\egroup
20653 \everyvbox{}}%
20654 \@RTLfalse
20655 \@RTLtabfalse
20656 \bgroup
20657 \aftergroup\egroup
20658 }\vbox}
20659 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
20660 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
20661 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20662 \def\endLTR{\par}
20663 \newenvironment{LTR*}{\LTR
20664 \everypar{%
20665 {\setbox\z@\lastbox
20666 \ifvoid\z@
20667 \kern-\parindent
20668 \fi}%
20669 }%
20670 }\endLTR\@endpetrue}

```



```

20671 \def\RTL{\par\@RTLtrue\@RTL@footnotettrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20672 \def\endRTL{\par}
20673 \newenvironment{RTL*}{\RTL
20674   \everypar{%
20675     {\setbox\z@\lastbox
20676       \ifvoid\z@
20677         \kern-\parindent
20678       \fi}%
20679   }%
20680 }\endRTL\@endpettrue}
20681 \def\setRTL{\@RTLtrue\@RTL@footnotettrue\@RTLtabtrue}
20682 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20683 \let\unsetRTL=\setLTR
20684 \let\unsetLTR=\setRTL
20685 \let\LR=\LRE
20686 \let\RL=\RLE
20687 \def\@ensureRTL#1{\if@RTL#1\else\RLE{#1}\fi}
20688 \def\@ensureLTR#1{\if@RTL\LRE{#1}\else#1\fi}
20689 \let\@ensureRL=\@ensureRTL
20690 \let\@ensureLR=\@ensureLTR
20691 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20692 \let\@ensure@maindir=\@ensure@dir
20693 \def\@RTL{RTL}
20694 \def\@LTR{LTR}
20695 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20696 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
20697 \let\@TeX\TeX
20698 \def\TeX{\@ensureLTR{\@TeX}}
20699 \let\@LaTeX\LaTeX
20700 \def\LaTeX{\@ensureLTR{\@LaTeX}}
20701 \let\@LaTeXe\LaTeXe
20702 \def\LaTeXe{\@ensureLTR{\@LaTeXe}}
20703 \long\def\@bidi@reflect@box#1{%
20704   \leavevmode
20705   \setbox\z@\hbox{#1}%
20706   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20707   \hb@xt@wd\z@{\kernwd\z@box\tw@hss}%
20708 }
20709 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20710   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20711 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20712   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
20713 \let\setRL=\setRTL
20714 \let\setLR=\setLTR
20715 \let\unsetRL=\setLTR
20716 \def\@bidi@tabular@RTLCases{\let\@halignto\@empty\@bidi@tabular@RTLCases}
20717 \ifpackageloaded{array}{%
20718 \def\@bidi@tabular@RTLCases{\@RTLtabtrue%
20719   \leavevmode
20720   \hbox\bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group

```



```

20721 \let\d@llarend\endgroup
20722 \@tabarray}
20723 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20724 }{%
20725 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20726 \leavevmode \hbox \bgroup
20727 $\left.\let\@acol\@tabacol
20728 \let\@classz\@tabclassz
20729 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20730
20731 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20732 \egroup\right\rbrace $\egroup}}
20733 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20734 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
20735 \renewenvironment{RTLcases}{%
20736 \bidi@matrix@check\RTLcases\env@RTLcases
20737 }{%
20738 \endbidi@tabular@RTLcases%
20739 }
20740 \def\env@RTLcases{%
20741 \let\@ifnextchar\bidi@new@ifnextchar
20742 \def\arraystretch{1.2}%
20743 \bidi@tabular@RTLcases{\@{}r@{\quad}r@{}}%
20744 }
20745 \def\SepMark#1{\gdef\@SepMark{#1}}
20746 \SepMark{.}
20747 \def\@thmcountersep{\@SepMark}
20748 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20749 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20750 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20751 \newcommand*{\bidi@thebibliography@font@hook}{}
20752 \def\list#1#2{%
20753 \ifnum \@listdepth >5\relax
20754 \toodeep
20755 \else
20756 \global\advance\@listdepth\@ne
20757 \fi
20758 \rightmargin\z@
20759 \listparindent\z@
20760 \itemindent\z@
20761 \csname @list\romannumeral\the\@listdepth\endcsname
20762 \def\@itemlabel{#1}%
20763 \let\makelabel\@mklab
20764 \nmbrlistfalse
20765 #2\relax
20766 \@trivlist
20767 \parskip\parsep
20768 \parindent\listparindent
20769 \advance\linewidth -\rightmargin
20770 \advance\linewidth -\leftmargin

```



```

20771 \if@bidi@list@minipage@parbox
20772 \if@RTL
20773 \advance\@totalleftmargin \leftmargin
20774 \else
20775 \advance\@totalleftmargin \rightmargin
20776 \fi
20777 \else
20778 \if@hboxRconstruct
20779 \if@bidi@list@minipage@parbox@not@nob
20780 \if@RTL
20781 \advance\@totalleftmargin \rightmargin
20782 \else
20783 \advance\@totalleftmargin \leftmargin
20784 \fi
20785 \else
20786 \if@RTL
20787 \advance\@totalleftmargin \leftmargin
20788 \else
20789 \advance\@totalleftmargin \rightmargin
20790 \fi\fi
20791 \else
20792 \if@RTL
20793 \advance\@totalleftmargin \rightmargin
20794 \else
20795 \advance\@totalleftmargin \leftmargin
20796 \fi\fi\fi
20797 \parshape \@ne \@totalleftmargin \linewidth
20798 \ignorespaces}
20799 \long\def\@iiiparbox#1#2[#3]#4#5{%
20800 \leavevmode
20801 \@pboxswfalse
20802 \if@hboxRconstruct
20803 \@bidi@list@minipage@parbox@not@nobtrue
20804 \fi
20805 \if@RTL
20806 \ifx#1t%
20807 \@bidi@list@minipage@parboxtrue
20808 \else
20809 \ifx#1b%
20810 \@bidi@list@minipage@parboxtrue
20811 \fi
20812 \fi
20813 \fi
20814 \setlength\@tempdima{#4}%
20815 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20816 \ifx\relax#2\else
20817 \setlength\@tempdimb{#2}%
20818 \edef\@parboxto{to\the\@tempdimb}%
20819 \fi
20820 \if#1b\vbox

```



```

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

```



```

20871 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRcons
20872 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRcons
20873 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20874 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20875 \def\centerline#1{%
20876 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20877 \else\@@line{\hss#1\hss}\fi}
20878 \def\leftline#1{%
20879 \if@RTL\@@line{\beginR#1\endR\hss}
20880 \else\@@line{#1\hss}\fi}
20881 \def\rightline#1{%
20882 \if@RTL\@@line{\hss\beginR#1\endR}
20883 \else\@@line{\hss#1}\fi}
20884 \let\bidi@orig@leftline\leftline
20885 \let\bidi@orig@rightline\rightline
20886 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
20887 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
20888 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20889 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20890 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20891 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20892 \def\narrower{%
20893 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20894 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20895 \def\underline#1{%
20896 \relax
20897 \ifmmode\@@underline{#1}%
20898 \else
20899 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20900 \else
20901 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20902 \ifcompatibility
20903 \let\undertext=\underline
20904 \fi
20905 \def\@tabular{%
20906 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20907 $\let\@acol\@tabacol
20908 \let\@classz\@tabclassz
20909 \let\@classiv\@tabclassiv \let\\ \@tabularcr\@tabarray}
20910 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20911 \egroup $\if@RTLtab\endR\fi\egroup}
20912 \expandafter \let \csname endtabular*\endcsname = \endtabular
20913 \def\@array[#1]#2{%
20914 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20915 \bgroup
20916 \setbox\@arstrutbox\hbox{%
20917 \vrule \@height\arraystretch\ht\strutbox
20918 \@depth\arraystretch \dp\strutbox
20919 \@width\z@}%
20920 \mkpream{#2}%

```



```

20921 \edef\@preamble{%
20922   \ialign \noexpand\@halignto
20923     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20924 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20925 \let\tabularnewline\%
20926 \let\par\@empty
20927 \let\@sharp##%
20928 \set@typeset@protect
20929 \lineskip\z@skip\baselineskip\z@skip
20930 \ifhmode \@preamerr\z@ \@@par\fi
20931 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1\top \else \vbox \fi\bgroup\fi
20932 \@preamble}
20933 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20934 \let\@classiv\@arrayclassiv
20935 \let\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20936 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20937   \ifnum \@lastchclass=3 5 \else
20938     \z@ \if #1c\@chnum \z@ \else
20939       \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20940       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20941       \@chclass \if #1|\@ne \else
20942       \if #1@\tw@ \else
20943       \if #1p3 \else \z@ \@preamerr 0\fi
20944 \fi \fi \fi \fi \fi \fi
20945 \fi}
20946 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20947 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20948 \def\bm@t{\unhbox\@tempboxa\hss}
20949 \def\bm@b{\hss\unhbox\@tempboxa}
20950 \def\@dottedtocline#1#2#3#4#5{%
20951   \ifnum #1>\c@tocdepth \else
20952     \vskip \z@ \@plus.2\p@
20953     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmargin}
20954     \parindent #2\relax\@afterindenttrue
20955     \interlinepenalty\@M
20956     \leavevmode
20957     \@tempdima #3\relax
20958     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
20959     {#4}\nobreak
20960     \leaders\hbox{$\m@th
20961       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20962       mu$}\hfill
20963     \nobreak
20964     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20965     \par}%
20966 \fi}
20967
20968 \newcount\@bidi@column@check@number
20969
20970 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}

```



```

20971
20972 \def\ bidi@set@column@status#1#2{%
20973   \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20974
20975 \if@twocolumn
20976 \newcommand\DetectColumn[3][1]{%
20977   \ifx\ bidi@firstcolumn@status@write\relax
20978     \PackageError{bidi}%
20979       {Option 'DetectColumn' not selected}%
20980       {\string\DetectColumn\space
20981         requires the use of the 'DetectColumn'
20982         option on the package}%
20983   \fi
20984   \global\advance\ bidi@column@check@number\one
20985   \edef\ bidi@column@type{\expandafter\ifx
20986     \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20987     0\else
20988     \csname bidi@column-\the\ bidi@column@check@number\endcsname
20989     \fi}%
20990   \ifcase \ bidi@column@type\relax
20991     \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20992   \or
20993     #2% % 1 First column
20994   \or
20995     #3% % 2 Second (Last column)
20996   \else
20997     \ERROR
20998   \fi
20999   \edef\next{\write\@auxout
21000     {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
21001       {\ bidi@column@type}}}%
21002   \next
21003 }
21004
21005 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
21006   \ifnum #2=\ bidi@current@column@status\else
21007     \@tempwatrue
21008   \fi}%
21009 }
21010 \fi
21011
21012 \def\RTL@outputdblcol{%
21013   \if@firstcolumn
21014     \global\@firstcolumnfalse
21015     \global\setbox\@leftcolumn\copy\@outputbox
21016     \splitmaxdepth\maxdimen
21017     \vbadness\maxdimen
21018     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21019     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21020     \toks@\expandafter{\topmark}%

```





```

21021 \xdef\@firstcoltopmark{\the\toks@}%
21022 \toks@\expandafter{\splitfirstmark}%
21023 \xdef\@firstcolfirstmark{\the\toks@}%
21024 \ifx\@firstcolfirstmark\@empty
21025   \global\let\@setmarks\relax
21026 \else
21027   \gdef\@setmarks{%
21028     \let\firstmark\@firstcolfirstmark
21029     \let\topmark\@firstcoltopmark}%
21030 \fi
21031 \else
21032   \global\@firstcolumntrue
21033   \setbox\@outputbox\vbox{%
21034     \hb@xt@\textwidth{%
21035       \hskip \columnwidth
21036       \hfil
21037       {\normalcolor\vrule \@width\columnseprule}%
21038       \hfil
21039       \hb@xt@\columnwidth{%
21040         \bidi@firstcolumn@status@write%
21041         \box\@leftcolumn \hss}%
21042       \hskip -\textwidth
21043       \hb@xt@\columnwidth{%
21044         \bidi@lastcolumn@status@write%
21045         \box\@outputbox \hss}%
21046       \hskip \columnsep
21047       \hskip \columnwidth }}%
21048 \@combinedblfloats
21049 \@setmarks
21050 \@outputpage
21051 \begingroup
21052 \@dblfloatplacement
21053 \@startdblcolumn
21054 \@whilesw\if@fcolmade \fi{\@outputpage
21055 \@startdblcolumn}%
21056 \endgroup
21057 \fi}%
21058
21059 \def\LTR@outputdblcol{%
21060 \if@firstcolumn
21061   \global\@firstcolumnfalse
21062   \global\setbox\@leftcolumn\copy\@outputbox
21063   \splitmaxdepth\maxdimen
21064   \vbadness\maxdimen
21065   \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21066   \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21067   \toks@\expandafter{\topmark}%
21068   \xdef\@firstcoltopmark{\the\toks@}%
21069   \toks@\expandafter{\splitfirstmark}%
21070   \xdef\@firstcolfirstmark{\the\toks@}%

```



```

21071 \ifx\@firstcolfirstmark\@empty
21072 \global\let\@setmarks\relax
21073 \else
21074 \gdef\@setmarks{%
21075 \let\firstmark\@firstcolfirstmark
21076 \let\topmark\@firstcoltopmark}%
21077 \fi
21078 \else
21079 \global\@firstcolumntrue
21080 \setbox\@outputbox\vbox{%
21081 \hb@xt@\textwidth{%
21082 \hb@xt@\columnwidth{%
21083 \bidi@firstcolumn@status@write%
21084 \box\@leftcolumn \hss}%
21085 \hfil
21086 {\normalcolor\vrule \@width\columnseprule}%
21087 \hfil
21088 \hb@xt@\columnwidth{%
21089 \bidi@lastcolumn@status@write%
21090 \box\@outputbox \hss}}}%
21091 \@combinedblfloats
21092 \@setmarks
21093 \@outputpage
21094 \begingroup
21095 \@dblfloatplacement
21096 \@startdblcolumn
21097 \@whiles\if@fcolmade \fi{\@outputpage
21098 \@startdblcolumn}%
21099 \endgroup
21100 \fi}%
21101
21102
21103 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21104 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21105 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21106
21107 \bidi@patchcmd\@makecol{%
21108 \ifvoid\footins
21109 \setbox\@outputbox \box\@cclv
21110 \else
21111 \setbox\@outputbox \vbox {%
21112 \boxmaxdepth \@maxdepth
21113 \unvbox \@cclv
21114 \vskip \skip\footins
21115 \color@begingroup
21116 \normalcolor
21117 \footnoterule
21118 \unvbox \footins
21119 \color@endgroup
21120 }%

```



```

21121 \fi
21122 }{%
21123 \ifvoid\footins
21124 \ifvoid\@bidi@copyins@
21125 \setbox\@outputbox \box\@cclv
21126 \else
21127 \setbox\@outputbox \vbox {%
21128 \boxmaxdepth \@maxdepth
21129 \unvbox \@cclv
21130 \vskip \skip\@bidi@copyins@
21131 \color@begingroup
21132 \normalcolor
21133 \unvbox \@bidi@copyins@
21134 \color@endgroup
21135 }%
21136 \fi
21137 \else
21138 \setbox\@outputbox \vbox {%
21139 \boxmaxdepth \@maxdepth
21140 \unvbox \@cclv
21141 \vskip \skip\footins
21142 \color@begingroup
21143 \normalcolor
21144 \footnoterule
21145 \unvbox \footins
21146 \color@endgroup
21147 \ifvoid\@bidi@copyins@
21148 \else
21149 \vskip \skip\@bidi@copyins@
21150 \color@begingroup
21151 \normalcolor
21152 \unvbox \@bidi@copyins@
21153 \color@endgroup
21154 \fi
21155 }%
21156 \fi
21157 }{}{}
21158
21159 \def\LTRmarginpar{%
21160 \ifhmode
21161 \@bsphack
21162 \@floatpenalty -\@Mii
21163 \else
21164 \@floatpenalty-\@Miii
21165 \fi
21166 \ifinner
21167 \@parmoderr
21168 \@floatpenalty\z@
21169 \else
21170 \@next\@currbox\@freelist{}{}%

```



```

21171 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21172 {\@floatpenalty\z@
21173 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21174 \fi
21175 \@ifnextchar [\@LTRxmpar\@LTRympar}
21176 \long\def\@LTRxmpar[#1]#2{%
21177 \@LTRsavemarbox\@marbox{#1}%
21178 \@LTRsavemarbox\@currbox{#2}%
21179 \@xympar}
21180 \long\def\@LTRympar#1{%
21181 \@LTRsavemarbox\@marbox{#1}%
21182 \global\setbox\@currbox\copy\@marbox
21183 \@xympar}
21184 \long\def \@LTRsavemarbox #1#2{%
21185 \global\setbox #1%
21186 \color@vbox
21187 \vtop{%
21188 \hsize\marginparwidth
21189 \@parboxrestore
21190 \@LTRmarginparreset
21191 #2%
21192 \@minipagefalse
21193 \outer@nobreak
21194 }%
21195 \color@endbox
21196 }
21197 \def \@LTRmarginparreset {%
21198 \reset@font
21199 \normalsize
21200 \@minipagetrue
21201 \everypar{\@minipagefalse\everypar{}\beginL}%
21202 }
21203 \def\RTLmarginpar{%
21204 \ifhmode
21205 \@bsphack
21206 \@floatpenalty -\@Mii
21207 \else
21208 \@floatpenalty-\@Miii
21209 \fi
21210 \ifinner
21211 \@parmoderr
21212 \@floatpenalty\z@
21213 \else
21214 \@next\@currbox\@freelist{ }{}%
21215 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21216 {\@floatpenalty\z@
21217 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21218 \fi
21219 \@ifnextchar [\@RTLxmpar\@RTLympar}
21220 \long\def\@RTLxmpar[#1]#2{%

```



```

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

```



```

21271 \global\setbox \@marbox
21272         \vbox {\vskip \@tempdima
21273                 \box \@marbox}%
21274 \global \ht\@marbox \z@
21275 \global \dp\@marbox \z@
21276 \kern -\@pagedp
21277 \nointerlineskip
21278 \hb@xt@\columnwidth
21279     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
21280     \hskip\columnwidth \hskip\marginparsep
21281     \else
21282     \hskip -\marginparsep \hskip -\marginparwidth
21283     \fi
21284     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else\endL\fi}%
21285 \nointerlineskip
21286 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21287 \long\def\@ympar#1{%
21288     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
21289     \global\setbox\@currbox\copy\@marbox
21290     \@xympar}
21291 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21292 \def\setLTRmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21293 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21294 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21295     \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21296     \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21297     \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21298     \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21299     \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
21300 \fi}
21301
21302 \newcommand*{\bidi@font@outputpage}{}
21303
21304 \def\@outputpage{%
21305     \begingroup           % the \endgroup is put in by \aftergroup
21306     \let \protect \noexpand
21307     \@resetactivechars
21308     \global\let\@if@newlist\if@newlist
21309     \global\@newlistfalse
21310     \@parboxrestore
21311     \global\let\bidi@BeforeOutputPageShipOut\@firstofone
21312     \bidi@beforeoutputpageshipouthook
21313     \shipout \vbox{%
21314         \set@typeset@protect
21315         \aftergroup \endgroup
21316         \aftergroup \set@typeset@protect
21317         % correct? or just restore by ending
21318         % the group?
21319     \if@specialpage
21320     \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%

```



```

21321 \fi
21322 \if@twoside
21323   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21324     \if@RTLmain
21325       \let\@themargin\evensidemargin
21326     \else
21327       \let\@themargin\oddsidemargin
21328     \fi
21329   \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21330     \if@RTLmain
21331       \let\@themargin\oddsidemargin
21332     \else
21333       \let\@themargin\evensidemargin
21334     \fi
21335   \fi
21336   \ifx\@thehead\@empty \let\@thehead\hfil \fi
21337   \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21338   \else %% not @twoside
21339     \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21340     \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21341   \fi
21342 \reset@font
21343 \normalsize
21344 \bidi@font@@outputpage
21345 \normalsfcodes
21346 \let\label\@gobble
21347 \let\index\@gobble
21348 \let\glossary\@gobble
21349 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21350 \@begindvi
21351 \vskip \topmargin
21352 \moveright\@themargin \vbox {%
21353   \global\let\bidi@BeforeHeader\@firstofone
21354   \bidi@beforeheaderhook
21355   \setbox\@tempboxa \vbox to\headheight{%
21356     \vfil
21357     \color@hbox
21358     \normalcolor
21359     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
21360     \color@endbox
21361   }%
21362   \dp\@tempboxa \z@
21363   \box\@tempboxa
21364   \vskip \headsep
21365   \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
21366   \bidi@beforeoutputboxoutputpagehook
21367   \box\@outputbox
21368   \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
21369   \bidi@afteroutputboxoutputpagehook
21370   \global\let\bidi@BeforeFooter\@firstofone

```



```

21371 \bidi@beforefooterhook
21372 \baselineskip \footskip
21373 \color@hbox
21374 \normalcolor
21375 \hb@xt@\textwidth{\if@RTLmain@RTLtrue\beginR\else@RTLfalse\beginL\fi\@thefoot\if@RTL
21376 \color@endbox
21377 \global\let\bidi@AfterFooter\@firstofone
21378 \bidi@afterfooterhook
21379 }%
21380 }%
21381 \global\let\bidi@AfterOutputPageShipOut\@firstofone
21382 \bidi@afteroutputpageshipouthook
21383 \global\let\if@newlist\@if@newlist
21384 \global \colht \textheight
21385 \stepcounter{page}%
21386 \let\firstmark\botmark
21387 \global\let\bidi@AtEndOutputPage\@firstofone
21388 \bidi@atendoutputpagehook
21389 }
21390 \long\def\@makecaption#1#2{%
21391 \vskip\abovecaptionskip
21392 \sbox\@tempboxa{#1: #2}%
21393 \ifdim \wd\@tempboxa >\hsize
21394 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21395 \else
21396 \global \@minipagefalse
21397 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21398 \fi
21399 \vskip\belowcaptionskip}
21400 \let\bidi@saved@eqno=\eqno
21401 \let\bidi@saved@leqno=\leqno
21402 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
21403 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
21404 \@ifpackageloaded{amsmath}{-}{-}
21405 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
21406 }
21407 \input{footnote-xetex-bidi.def}
21408 \if@twocolumn
21409 \let\autofootnoterule\relax
21410 \let\leftfootnoterule\relax
21411 \let\rightfootnoterule\relax
21412 \textwidthfootnoterule
21413 \fi
21414 \if@bidi@csundef{\idxitem}{-}{-}%
21415 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
21416 }
21417 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
21418 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{-}{\input{article-xetex-bidi.def}}{-}
21419 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
21420 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}

```





```

21421 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21422 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21423 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21424 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
21425 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21426 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21427 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21428 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21429 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21430 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{}{\input{report-xetex-bidi.def}}}{\input{report-xetex-bidi.def}}{}
21431 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21432 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21433 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21434 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21435 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21436 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21437 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21438 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21439 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21440 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}}{\input{book-xetex-bidi.def}}{}
21441 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21442 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21443 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21444 \@ifpackageloaded{amsmath}{\%
21445 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21446 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21447 }
21448 \@ifpackageloaded{mathtools}{\%
21449 \RequirePackage{graphicx}%
21450 \input{mathtools-xetex-bidi.def}%
21451 }{}
21452 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21453 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21454 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21455 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21456 \@ifpackagewith{algorithm2e}{algonl}{\%
21457 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}{}
21458 }{}
21459 \@ifpackagewith{algorithm2e}{algopart}{\renewcommand{\algocf@within}{part}}{}
21460 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
21461 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
21462 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21463 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21464 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21465 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21466 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21467 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21468 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21469 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21470 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}}{\input{crop-xetex-bidi.def}}{}

```



```

21471 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21472 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21473 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21474 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21475 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21476 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{}{\input{float-xetex-bidi.def}}{}{}
21477 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}{}
21478 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}{}
21479 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}{}
21480 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}{}
21481 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}{}
21482 \@ifpackageloaded{hvfloating}{\input{hvfloating-xetex-bidi.def}}{}{}
21483 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}{}
21484 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}{}
21485 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}{}
21486 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}{}
21487 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}{}
21488 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}{}
21489 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}{}
21490 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}{}
21491 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}{}
21492 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}{}
21493 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}{}
21494 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}{}
21495 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}{}
21496 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}{}
21497 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}{}
21498 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}{}
21499 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}{}
21500 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}{}
21501 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}{}
21502 \@ifpackageloaded{letrine}{\input{letrine-xetex-bidi.def}}{}{}
21503 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}{}
21504 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}{}
21505 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}{}
21506 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}{}
21507 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}{}
21508 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}{}
21509 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}{}
21510 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}{}
21511 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}{}
21512 \@ifpackagewith{sidecap}{innercaption}{%
21513 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21514 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21515 \renewcommand*{\SC@justify@caption}{%
21516 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21517 \renewcommand*{\SC@FLOAT}[2]{%
21518 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21519 \renewcommand*{\SC@justify@caption}{%
21520 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi

```



```

21521 }{}
21522 \ifpackagewith{sidecap}{rightcaption}{%
21523   \ifRTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21524   \def\SC@justify@caption{\RaggedLeft}\else%
21525   \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21526   \def\SC@justify@caption{\RaggedRight}\fi%
21527 }{}
21528 \ifpackagewith{sidecap}{leftcaption}{%
21529   \ifRTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21530   \def\SC@justify@caption{\RaggedRight}\else%
21531   \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21532   \def\SC@justify@caption{\RaggedLeft}\fi%
21533 }{}
21534 \ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21535 \ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21536 \ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21537 \ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21538 \ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21539 \ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21540 \ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21541 \ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21542 \ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21543 \ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21544 \ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
21545 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21546 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21547 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21548 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21549 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21550 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21551 \ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21552 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21553 \ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}{}{\input{tocbibind-xetex-bidi.def}}}{\input{tocbibind-xetex-bidi.def}}{}
21554 \ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{}{\input{tocloft-xetex-bidi.def}}}{\input{tocloft-xetex-bidi.def}}{}
21555 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21556 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

## 128 File xltextra-xetex-bidi.def

```

21557 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21558 \let\@XeTeX\XeTeX
21559 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21560 \let\@XeLaTeX\XeLaTeX
21561 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```



## 129 Index

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

Symbols		
\# . . . 3054, 3100, 3209, 3217	\@@LTR . . . . . 15594, 15596, 20694, 20696	16784, 20876, 20877, 20879, 20880, 20882, 20883
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