



# The bidi Package

Source documentation for version 35.4

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/bidirtex/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 35.4](#)

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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\fi
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17  \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.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   \@makefnfntext{%
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     \@makefnfntext{%
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 \clearatopmattertags
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\top \else \if#1b\box \else \vcenter \fi \fi
392 \bgroup
393 \let \@sharp ##\let \protect \relax
394 \lineskip \z@
395 \baselineskip \z@
396 \m@th
397 \let\\ \@arraycr \let\tabularnewline\\ \let\par \@empty \if@RTLtab\hbox\bgroup\beginR\@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{\colsep\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\righskip\else\leftskip\fi\@tempdima
527     \hskip -\if@RTL\righskip\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\rightskip\else\leftskip\fi\unitindent
869 \if@RTL\leftskip\else\rightskip\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@authornothanks\@author\and\relax
1008                 \else
1009                     \@author
1010                 \fi
1011             \end{tabular}\par}%
1012         \vskip 1.5em%
1013         {\large
1014             \if@allcaps
1015                 \uppercase\expandafter{\@date}%
1016             \else
1017                 \@date
1018             \fi\par}%
1019     \end{center}\par

```



```

1020 \thanks
1021 \vfil\null
1022 \end{titlepage}%
1023 \setcounter{footnote}{0}%
1024 \global\let\thanks\relax
1025 \global\let\maketitle\relax
1026 \global\let\@thanks\@empty
1027 \global\let\@author\@empty
1028 \global\let\@title\@empty
1029 \global\let\@date\@empty
1030 \global\let\title\relax
1031 \global\let\author\relax
1032 \global\let\date\relax
1033 \global\let\and\relax
1034 }
1035 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1036 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1037 \futurelet\@tempa\uc@ax}
1038 \def\uc@ax{%
1039 \ifx\@tempa\relax
1040 \else
1041 \\\andname \\\expandafter\uc@authornothanks
1042 \fi}
1043 \def\uc@tx{\ifx\@tempa\relax
1044 \else \expandafter\uc@ty \fi}
1045 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1046 \else
1047 \renewcommand*\maketitle{\par
1048 \begingroup
1049 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1050 \long\def\@makefntext##1{\parindent\z@
1051 \def\labelitemi{\textendash}%
1052 \leavevmode\hb@xt@.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     \begin{group}
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     \end{group}

```



```

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 \@tempcnta \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 \@ne \else
1419 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1420 \@chclass
1421 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1422 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1423 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1424 \if #1@tw@ \else
1425 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1426 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1427
1428 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1429 \or \or \@addamp \or
1430 \@acolampacol \or \@firststampfalse \@acol \fi
1431 \edef\@preamble{\@preamble
1432 \ifcase \@chnum
1433 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1434 \or \adl@putlrc{\$relax\@sharp$}\hfil
1435 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1436 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1437 \or \or \@addamp \or
1438 \@acolampacol \or \@firststampfalse \@acol \fi
1439 \edef\@preamble{\@preamble
1440 \ifcase \@chnum
1441 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1442 \or \adl@putlrc{\@sharp\unskip}\hfil
1443 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1444 \def\adl@class@start{6}
1445 \def\adl@class@iiiorvii{3}
1446 \fi
1447 \ifpackageloaded{colortbl}{%
1448 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1449 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1450 \let\@endpbox\adl@org@endpbox}
1451 \let\adl@CT@setup\CT@setup
1452 \def\CT@setup{\adl@CT@setup
1453 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1454 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1455 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1456 \let\adl@act@CT@setup\CT@setup
1457 \def\@classz{\@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{2018/12/11}
1496 \def\bidiversion{35.4}
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--2018 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/bidirtex/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 December 11, 2018.
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 `bidir.tex`

```

1814 \def\bididate{2018/12/11}
1815 \catcode`\@=11
1816 \def\bidir@version{35.4}
1817 \let \protect \relax
1818 \newlinechar`\^^J
1819 \edef\@bidir@info{*****^^J%
1820 * ^^J%
1821 *  bidir 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--2018 Vafa Khalighi^^J%
1830 *  ^^J%
1831 *  v\bidir@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/bidir^^J%
1837 *  ^^J%
1838 *  Issue tracker: https://github.com/bidirtex/bidir/issues^^J%
1839 *  ^^J%
1840 *****}
1841 \message{\@bidir@info}
1842 \edef\bidir@everyjob{\the\everyjob}
1843 \everyjob{\bidir@everyjob\message{\@bidir@info}}
1844 \def\bidir@version{%
1845   \relax
1846   \ifmmode
1847     \bidir@version
1848   \else
1849     $\bidir@version$
1850   \fi
1851 }
1852 \input iftex.sty
1853 \RequireXeTeX
1854 \newif\ifbidir@pdfm@mark
1855 \newif\ifbidir@RTLmain
1856 \newif\ifbidir@RTL
1857 \newif\ifbidir@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 December 11, 2018.
1914 }
1915 \def\@bidi@pdfm@mark{%
1916   \special{pdf:
1917     docinfo<<%
1918       \if\@bidi@pdfm@mark
1919         /Creator(\@bidi@pdfcreator)%
1920         /Producer(\@bidi@pdfproducer)%
1921       \fi
1922       /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1923     >>%
1924   }%
1925 }
1926 \def\@bidi@pdfinfoon{\@bidi@pdfm@marktrue}
1927 \def\@bidi@pdfinfooff{\@bidi@pdfm@markfalse}
1928 \input plain-xetex-bidi.def
1929 \@bidi@inslogo@
1930 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark\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\oddpag
1938 \twocolumn
1939 \def\@oddfoot{\evenpage=\thepage%
1940 \multiply\evenpage by 2%
1941 \oddpag=\thepage%
1942 \advance\oddpag by -1%
1943 \hfil\thepage\hfil\thepage\oddpag\hfil}%
1944 \def\@evenfoot{\evenpage=\thepage%
1945 \multiply\evenpage by 2%
1946 \oddpag=\thepage%
1947 \advance\oddpag by -1%
1948 \hfil\thepage\hfil\thepage\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]{\{$\langle$\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\CIIIAny{\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\ciiiiAny{(\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@sff@LTRfootnote\LTRfootnote
2127 \let\FN@sff@RTLfootnote\RTLfootnote
2128 \def\footnote{\ifx\protect\@typeset@protect
2129   \expandafter\FN@sffootnote
2130   \else
2131     \expandafter\FN@sff@gobble@opt
2132   \fi
2133 }
2134 \def\LTRfootnote{\ifx\protect\@typeset@protect
2135   \expandafter\FN@sff@LTRfootnote
2136   \else
2137     \expandafter\FN@sff@gobble@opt
2138   \fi
2139 }
2140 \def\RTLfootnote{\ifx\protect\@typeset@protect
2141   \expandafter\FN@sff@RTLfootnote
2142   \else
2143     \expandafter\FN@sff@gobble@opt
2144   \fi
2145 }
2146 \edef\FN@sff@gobble@opt{\noexpand\protect
2147   \expandafter\noexpand\csname FN@sff@gobble@opt \endcsname}
2148 \expandafter\def\csname FN@sff@gobble@opt \endcsname{%

```





```

2149 \@ifnextchar[%]
2150 \FN@sf@gobble@twobrace
2151 \@gobble
2152 }
2153 \def\FN@sf@gobble@twobrace[#1]#2{
2154 \let\FN@sf@@footnotemark\footnotemark
2155 \def\footnotemark{\ifx\protect\@typeset@protect
2156 \expandafter\FN@sf@@footnotemark
2157 \else
2158 \expandafter\FN@sf@gobble@optonly
2159 \fi
2160 }
2161 \edef\FN@sf@gobble@optonly{\noexpand\protect
2162 \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
2163 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{
2164 \ifnextchar[%]
2165 \FN@sf@gobble@brace
2166 }%
2167 }
2168 \def\FN@sf@gobble@brace[#1]{
2169 \def\@tabular{%
2170 \leavevmode \hbox \bgroup
2171 \let\@footnotetext\@bidi@p@ftntext
2172 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2173 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2174 \let\@xfootnotenext\@bidi@p@xftntext
2175 \let\@xfootnote\@bidi@p@xfootnote
2176 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2177 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2178 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2179 \let\@xRTLfootnote\@bidi@p@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\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2188 \long\def\@bidi@p@ftntext#1{%
2189 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2190 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2191 \long\def\@bidi@p@LTRftntext#1{%
2192 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2193 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2194 \long\def\@bidi@p@RTLftntext#1{%
2195 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2196 \global\@bidi@p@ftn\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

```





```

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 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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}[2018/12/11 v1.9 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\bidix@protected{%
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\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
3141 \bidiresrvda
3142 \makeatletter
3143 \scantokens\expandafter{\bidiresrvda}%
3144 \expandafter\endgroup\ifx#1\bidiresrvda
3145 \expandafter\@firstoftwo
3146 \else
3147 \expandafter\@secondoftwo
3148 \fi}
3149
3150
3151 \protected\long\def\bidifhashcheck#1{%
3152 \begingroup
3153 \edef\bidiresrvda{\detokenize{#1}}%
3154 \expandafter\endgroup
3155 \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
3156
3157 \edef\bidifhashcheck@i#1&{%
3158 \noexpand\expandafter
3159 \noexpand\bidifhashcheck@ii
3160 \noexpand\strip@prefix#1\string#\string#&}
3161
3162 \edef\bidifhashcheck@ii{%
3163 \def\noexpand\bidifhashcheck@ii##1\string#\string###2&}
3164 \bidifhashcheck@ii{\if@bidi@blank{#2}}
3165
3166
3167 \protected\long\def\bidifpattern#1#2{%
3168 \begingroup
3169 \edef\bidiresrvda{%
3170 \def\noexpand\bidiresrvda####1\detokenize{#2}####2&{%
3171 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3172 \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda
3173 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3174 \noexpand\bidiresrvda}
3175 \bidiresrvda\@secondoftwo\@firstoftwo}
3176
3177
3178 \newcommand{\if@bidi@defparam}{%
3179 \long\edef\if@bidi@defparam#1{%
3180 \noexpand\expandafter\noexpand\bidifdefparam
3181 \noexpand\meaning#1\detokenize{macro}:->&}
3182 \edef\bidifdefparam{%
3183 \def\noexpand\bidifdefparam##1\detokenize{macro}:##2->##3&}
3184 \bidifdefparam{\bidinotblank{#2}}
3185
3186
3187 \newcommand{\if@bidi@defprotected}{%
3188 \long\edef\if@bidi@defprotected#1{%
3189 \noexpand\expandafter\noexpand\bidifdefprotected

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

3640 \def\bidiprepend@list@to@list#1#2{%
3641   \@bidiprepend@to@list{#1}{\expandafter\expandafter\expandafter\the\csname#2\
3642 \def\bidiprepend@cslist@to@cslist#1#2{%
3643   \@bidiprepend@to@cslist{#1}\expandafter\the#2}}
3644 \def\bidiprepend@cslist@to@cslist#1#2{%
3645   \@bidiprepend@to@cslist{#1}\expandafter\the#2}}
3646 \def\bidiprepend@toks@cs@to@list#1#2{\@bidiprepend@to@list{#1}\expandafter\the#2}}
3647 \def\bidiprepend@toks@cs@to@list#1#2{\@bidiprepend@to@list{#1}\expandafter\the#2}}
3648
3649 \let\bidiprepend@unhskip\unhskip
3650
3651 % A few list macros for the user
3652 \def\NewTokenList:#1 {\bidicsarg\newtoks{#1}\global\csname#1\endcsname{}}
3653 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
3654 \long\def\AppendToTokenList:#1=#2 {\@bidiprepend@to@list{#1}{#2}}
3655 \long\def\PrependToTokenList:#1=#2 {\@bidiprepend@to@list{#1}{#2}}
3656 \def\TheTokenList:#1 {\let\bidiprepend@oldwbuskip\bidiprepend@unhskip \let\bidiprepend@empty
3657   \if\bidiprepend@oldwbuskip\bidiprepend@unhskip \let\bidiprepend@empty
3658   \else\bidiprepend@oldwbuskip\bidiprepend@unhskip \fi
3659   \let\bidiprepend@oldwbuskip\bidiprepend@unhskip}
3660
3661 \def\bididel@tok@from@list#1#2{\begingroup
3662   \long\def\bidics@list#1#2#3\biditok@SM
3663     {\biditoks@list#1\biditoks@list#2}%
3664     \edef\bidics@listb{\global\bidicsname{#1}=
3665       {\the\biditoks@list#1\biditoks@list#2}}%
3666     \biditoks@listb}%
3667     \edef\bidics@list{\noexpand\biditoks@list#1\biditoks@list#2}%
3668     \biditoks@list \endgroup}
3669 \def\bidiprepend@of@list#1{\bidicsarg{\let\expandafter\biditoks@list#1}%
3670   \biditoks@list \endgroup}
3671 \long\def\bidiprepend@of@cslist#1#2{\begingroup\biditoks@list#1}%
3672   \global#1=\expandafter\expandafter\expandafter\the\expandafter\biditoks@list#1
3673   \endgroup}
3674 \long\def\bidiprepend@local@in@front@of@list#1#2{\biditoks@list#1}%
3675   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3676   {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3677   \expandafter\the\csname#1\endcsname}%
3678   }
3679 \def\bidiprepend@list#1{\bidicsarg{\let\expandafter\biditoks@list#1}%
3680   \biditoks@list \endgroup}
3681 \long\def\bidiprepend@cslist#1#2{\begingroup\biditoks@list#1}%
3682   \global#1=\expandafter\expandafter\expandafter\the\expandafter\biditoks@list#1
3683   \endgroup}
3684 %%%%%%%%%%%%%%% Stack macros
3685 %
3686 % push in terms of prepending of lists
3687 \def\bidiprepend@cs@onto@cs#1#2{\@bidiprepend@to@cslist#1\expandafter\expandafter\expandafter
3688 \def\bidiprepend@onto#1{\bidicsarg\bidiprepend@onto@cs{#1}}
3689 \def\bidiprepend@onto@cs#1#2{\@bidiprepend@to@cslist#1}{\the#2}}

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

4390 \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
4391 \let\bidipatch@OrgIfPackageLater\@ifpackagelater
4392 \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
4393 \let\bidipatch@OrgIfClassLater\@ifclasslater
4394 \bidipatch@list
4395 \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
4396 \let\@ifpackagelater\bidipatch@OrgIfPackageLater
4397 \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
4398 \let\@ifclasslater\bidipatch@OrgIfClassLater
4399 }%

```

## 22 File `bidituftefloat.sty`

```

4400 \NeedsTeXFormat{LaTeX2e}
4401 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4402 bidi implementation of tufte float]
4403 \RequirePackage{xifthen}
4404 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4405 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
4406 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bidituftefloatDebugInfoNL}{}}
4407 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
4408 \newboolean{\@bidituftefloat@reversegeometry}
4409 \setboolean{\@bidituftefloat@reversegeometry}{false}
4410 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
4411 \newboolean{\@bidituftefloat@a4paper}
4412 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}
4413 \newboolean{\@bidituftefloat@b5paper}
4414 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@b5paper}{true}}
4415 \newboolean{\@bidituftefloat@symmetric}
4416 \newboolean{\@bidituftefloat@twoside}
4417 \DeclareOption{twoside}{%
4418 \@twosidefalse \@mparswitchtrue%
4419 \setboolean{\@bidituftefloat@twoside}{true}%
4420 \setboolean{\@bidituftefloat@symmetric}{true}%
4421 }
4422 \DeclareOption{oneside}{%
4423 \@twosidefalse \@mparswitchfalse%
4424 \setboolean{\@bidituftefloat@twoside}{false}%
4425 \setboolean{\@bidituftefloat@symmetric}{false}%
4426 }
4427 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4428 \newboolean{\@bidituftefloat@debug}
4429 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodetect}
4430 \ProcessOptions
4431 %% Globally sets the length
4432 \newcommand*{\gsetlength}[2]{%
4433 \setlength{#1}{#2}%
4434 \global#1=#1\relax%
4435 }
4436

```



```

4437%% Set the font sizes and baselines to match bidingfloat's books
4438\renewcommand\normalsize{%
4439  \@setfontsize\normalsize\@xpt{14}%
4440  \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4441  \abovedisplayshortskip \z@ \@plus3\p@
4442  \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4443  \belowdisplayskip \abovedisplayskip
4444  \let\@listi\@listI}
4445\normalbaselineskip=14pt
4446\normalsize
4447\renewcommand\footnotesize{%
4448  \@setfontsize\footnotesize\@viipt{10}%
4449  \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4450  \abovedisplayshortskip \z@ \@plus\p@
4451  \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4452  \def\@listi{\leftmargin\leftmarginI
4453      \topsep 3\p@ \@plus\p@ \@minus\p@
4454      \parsep 2\p@ \@plus\p@ \@minus\p@
4455      \itemsep \parsep}%
4456  \belowdisplayskip \abovedisplayskip
4457}
4458%% Paragraph indentation and separation for marginal text
4459\newcommand{\@bidingfloat@margin@par}{%
4460  \setlength{\RaggedRightParindent}{0.5pc}%
4461  \setlength{\JustifyingParindent}{0.5pc}%
4462  \setlength{\parindent}{0.5pc}%
4463  \setlength{\parskip}{0pt}%
4464}
4465\RequirePackage{ragged2e}
4466\ifthenelse{\boolean{@bidingfloat@reversegeometry}}{%
4467\RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
4468\ifthenelse{\boolean{@bidingfloat@a4paper}}{
4469  {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{
4470    {}
4471\ifthenelse{\boolean{@bidingfloat@b5paper}}{
4472  {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar}{
4473    {}}%
4474\RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
4475\ifthenelse{\boolean{@bidingfloat@a4paper}}{
4476  {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{
4477    {}
4478\ifthenelse{\boolean{@bidingfloat@b5paper}}{
4479  {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar}{
4480    {}
4481\ifthenelse{\boolean{@bidingfloat@symmetric}}{
4482  {}
4483  {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
4484\setlength\marginparpush{10pt}
4485%% Font for margin items
4486\newcommand{\@bidingfloat@marginfont}{\normalfont\footnotesize}

```



```

4487 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
4488 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
4489 \newcommand{\@biditytfloat@justification}{\justifying}%
4490 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4491 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4492 \newboolean{\@biditytfloat@changepage}
4493 \IfFileExists{changepage.sty}{%
4494   \biditytfloatDebugInfoNL{Found changepage.sty}
4495   \RequirePackage[strict]{changepage}
4496   \setboolean{\@biditytfloat@changepage}{true}
4497 }{%
4498   \biditytfloatDebugInfoNL{Found chngpage.sty}
4499   \RequirePackage[strict]{chngpage}
4500   \setboolean{\@biditytfloat@changepage}{false}
4501 }
4502 \newboolean{\@biditytfloat@odd@page}
4503 \setboolean{\@biditytfloat@odd@page}{true}
4504 \newcommand*{\@biditytfloat@checkoddpager}{%
4505   \checkoddpager%
4506   \ifthenelse{\boolean{\@biditytfloat@changepage}}{%
4507     \ifoddpager%
4508       \setboolean{\@biditytfloat@odd@page}{true}%
4509     \else%
4510       \setboolean{\@biditytfloat@odd@page}{false}%
4511     \fi%
4512   }{%
4513     \ifcpoddpager%
4514       \setboolean{\@biditytfloat@odd@page}{true}%
4515     \else%
4516       \setboolean{\@biditytfloat@odd@page}{false}%
4517     \fi%
4518   }%
4519 }
4520 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
4521 \newlength{\@biditytfloat@fullwidth}
4522 \newlength{\@biditytfloat@caption@fill}
4523 \newcommand{\@biditytfloatRecalculate}{%
4524   \setlength{\@biditytfloat@overhang}{\marginparwidth}
4525   \addtolength{\@biditytfloat@overhang}{\marginparsep}
4526
4527   \setlength{\@biditytfloat@fullwidth}{\textwidth}
4528   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4529   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4530
4531   \setlength{\@biditytfloat@caption@fill}{\textwidth}
4532   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4533 }
4534 \AtBeginDocument{\@biditytfloatRecalculate}
4535 \RequirePackage{optparams}% provides multiple optional arguments for commands
4536 \RequirePackage{placeins}

```





```

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

```



```

4587 }
4588 \newcommand{\@biditytfloat@label}[1]{%
4589   \gdef\@biditytfloat@stored@label{#1}%
4590 }
4591 \newcommand{\@biditytfloat@fps}{%
4592   \newboolean{\@biditytfloat@float@star}%
4593   \newlength{\@biditytfloat@float@contents@width}%
4594   \newenvironment{\@biditytfloat@float}[3][htbp]%
4595     {% begin \@biditytfloat@float
4596       % Should this float be full-width or just text-width?
4597       \ifthenelse{\equal{#3}{star}}{%
4598         {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4599         {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4600       % Check page side (recto/verso) and store detected value -- can be overridden in environment
4601       \@biditytfloat@checkoddpag%
4602       \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
4603         {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detect%
4604         {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detect%
4605       % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4606       \renewcommand{\@biditytfloat@fps}{#1}%
4607       \@biditytfloat@float@debug{Allowed positions: [#1]}%
4608       \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4609         {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bottom]}%
4610         {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]}%
4611       % Capture the contents of the \caption and \label commands to use later
4612       \global\let\@biditytfloat@orig@caption\caption%
4613       \global\let\@biditytfloat@orig@label\label%
4614       \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[ ] [Opt]}}%
4615       \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4616       % Handle subfigure package compatibility
4617       \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4618         \bidi@patchcmd{\subfigure}{%
4619           \let\subfig@oldlabel=\label
4620         }{%
4621           \let\subfig@oldlabel=\@biditytfloat@orig@label
4622         }%
4623       }%
4624       \let\subtable=\subfigure
4625     }% subfigure package is not loaded
4626     \@biditytfloat@orig@float{#2}[#1]%
4627     \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
4628       {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4629       {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4630     }%
4631     \begin{lrbox}{\@biditytfloat@figure@box}%
4632     \begin{minipage}[floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4633   }% end \@biditytfloat@float
4634     \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}% al
4635     \end{minipage}%
4636     \end{lrbox}%

```



```

4637 % build the caption box
4638 \begin{lrbox}{\@biditytfloat@caption@box}%
4639 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4640 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@capti
4641 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{
4642 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4643 \end{minipage}%
4644 \end{lrbox}%
4645 % now typeset the stored boxes
4646 \begin{fullwidth}%
4647 \begin{minipage}[\floatalignment]{\linewidth}%
4648 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4649 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4650 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4651 \end{minipage}%
4652 \end{fullwidth}%
4653 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4654 % output debug info
4655 \ifthenelse{\boolean{@biditytfloat@debug}}{%
4656 \typeout{^^J^^J----- biditytfloat package float information -----}%
4657 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
4658 {\typeout{Warning: Float unlabeled!}}%
4659 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4660 \typeout{Page number: [\thepage]}%
4661 \def\MessageBreak{^^J}%
4662 \typeout{\@biditytfloat@float@debug@info}%
4663 \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4664 {\typeout{Symmetric: [true]}}%
4665 {\typeout{Symmetric: [false]}}%
4666 \typeout{-----^^J^^J}%
4667 }%
4668 % reset commands and temp boxes and captions
4669 \gdef\@biditytfloat@float@debug@info{%
4670 \let\caption\@biditytfloat@orig@caption%
4671 \let\label\@biditytfloat@orig@label%
4672 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4673 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4674 \gdef\@biditytfloat@stored@shortcaption{%
4675 \gdef\@biditytfloat@stored@caption{%
4676 \gdef\@biditytfloat@stored@label{%
4677 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4678 }
4679 \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
4680 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}
4681 % asymmetric or page is odd, so caption is on the right
4682 \hbox{%
4683 \usebox{#2}%
4684 \hspace{\marginparsep}%
4685 \smash{\raisebox{#1}{\usebox{#3}}}%
4686 }

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```

## 23 File biditytfloatsidenote.sty

```

4966 \NeedsTeXFormat{LaTeX2e}
4967 \ProvidesPackage{biditytfloatsidenote}[2017/08/09 v0.4
4968 bidi implementation of tufte sidenote]
4969 \RequirePackage{xifthen}
4970 \RequirePackage{ragged2e}
4971 \RequirePackage{setspace}
4972 \RequirePackage{biditytools}
4973 \def\biditytfloatsidenotemarginpar{%
4974 \ifhmode
4975 \@bsphack
4976 \@floatpenalty -\@Mii
4977 \else
4978 \@floatpenalty-\@Miii
4979 \fi
4980 \ifinner
4981 \@parmoderr
4982 \@floatpenalty\z@
4983 \else

```



```

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

```



```

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

```



```

5084 \global\setbox\@currbox\copy\@marbox
5085 \@xympar}
5086 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
5087 \global\setbox #1%
5088 \color@vbox
5089 \vtop{%
5090 \hsize\marginparwidth
5091 \@parboxrestore
5092 \@RTLbidityftesidenotemarginparreset
5093 #2%
5094 \@minipagefalse
5095 \outer@nobreak
5096 }%
5097 \color@endbox
5098 }
5099 \def \@RTLbidityftesidenotemarginparreset {%
5100 \reset@font
5101 \normalsize
5102 \@minipagetrue
5103 \everypar{\@minipagefalse\everypar{}\beginR}%
5104 }
5105 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
5106 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
5107 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
5108 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
5109 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
5110 \newcommand*{\@bidityftesidenote@RTLsidenote@font}{\@bidityftesidenote@RTLmarginfont}
5111 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
5112 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
5113 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
5114 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
5115 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
5116 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
5117 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
5118 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
5119 \newcommand*{\setRTLsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLsidenote@font}{#1}}
5120 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
5121 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
5122 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
5123 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5124 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5125 \newcommand*{\setRTLcitation@font}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
5126 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@aut}
5127 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@aut}
5128 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@aut}
5129 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
5130 \newcommand{\@bidityftesidenote@margin@par}{%
5131 \setlength{\RaggedRightParindent}{0.5pc}%
5132 \setlength{\JustifyingParindent}{0.5pc}%
5133 \setlength{\parindent}{0.5pc}%

```



```

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

```



```

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

```



```

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

```



```

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

```





```

5334 }%
5335 \color@begingroup%
5336 \makefnintext{%
5337 \ignorespaces#2%
5338 }%
5339 \color@endgroup%
5340 }%
5341 }%
5342 \renewcommand\@LTRfootnotetext[2][0pt]{%
5343 \LTRbidituftesidenotemarginpar{%
5344 \hbox{}\vspace*{#1}%
5345 \def\baselinestretch {\setspace@singlespace}%
5346 \reset@font%
5347 \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5348 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5349 \vspace*{-1\baselineskip}\noindent%
5350 \protected@edef\@currentlabel{%
5351 \csname p@footnote\endcsname\@thefnmark%
5352 }%
5353 \color@begingroup%
5354 \makefnintext{%
5355 \ignorespaces#2%
5356 }%
5357 \color@endgroup%
5358 }%
5359 }%
5360 \renewcommand\@RTLfootnotetext[2][0pt]{%
5361 \RTLbidituftesidenotemarginpar{%
5362 \hbox{}\vspace*{#1}%
5363 \def\baselinestretch {\setspace@singlespace}%
5364 \reset@font%
5365 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5366 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5367 \vspace*{-1\baselineskip}\noindent%
5368 \protected@edef\@currentlabel{%
5369 \csname p@footnote\endcsname\@thefnmark%
5370 }%
5371 \color@begingroup%
5372 \makefnintext{%
5373 \ignorespaces#2%
5374 }%
5375 \color@endgroup%
5376 }%
5377 }%
5378 }
5379 %
5380 % Define \sidenote command. Can handle \cite.
5381 \newlength{\@bidiuftesidenote@sidenote@vertical@offset}
5382 \setlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}
5383 % #1 = footnote num, #2 = vertical offset, #3 = footnote text

```



```

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

```



```

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

```



```

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

```

## 24 File bidityftetoc.sty

```

5508 \NeedsTeXFormat{LaTeX2e}
5509 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5510 bidi implementation of tufte toc]
5511 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5512 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5513 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5514 %%
5515 % Turn off section numbering
5516 \setcounter{secnumdepth}{-1}
5517 \newboolean{\@bidityftetoc@toc}
5518 \setboolean{\@bidityftetoc@toc}{true}
5519 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}
5520 \DeclareOption{toc}{\setboolean{\@bidityftetoc@toc}{true}}
5521 \ProcessOptions
5522 %%
5523 % Make Tufatian-style section headings and TOC formatting
5524 \bidityft@patch@AfterPackage{bidi}{%
5525 \titleformat{\chapter}{%
5526 [display]% shape
5527 {\relax\ifthenelse{\NOT\boolean{\@bidityftfloat@symmetric}}{\begin{fullwidth}}{}}% format ap
5528 {\itshape\huge\thechapter}% label
5529 [Opt]% horizontal separation between label and title body
5530 {\huge\rmfamily\itshape}% before the title body

```



```

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

```



```

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

```



```

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

```

## 25 File bidityftgeneralstructure.sty

```

5654 \NeedsTeXFormat{LaTeX2e}
5655 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5656 bidi implementation of tufte general structure]
5657 \renewcommand\small{%
5658   \@setfontsize\small\@ixpt{12}%
5659   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5660   \abovedisplayshortskip \z@ \@plus2\p@
5661   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5662   \def\@listi{\leftmargin\leftmargini
5663     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5664     \parsep 2\p@ \@plus\p@ \@minus\p@
5665     \itemsep \parsep}%
5666   \belowdisplayskip \abovedisplayskip
5667 }
5668 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5669 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5670 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5671 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5672 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5673 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5674 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5675 \setlength\leftmargini {1pc}
5676 \setlength\leftmarginii {1pc}
5677 \setlength\leftmarginiii {1pc}

```



```

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

```





```

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

```

## 26 File `bidituftehyperref.sty`

```

5770 \NeedsTeXFormat{LaTeX2e}
5771 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5772 bidi implementation of tufte hyperref]
5773 %%
5774 % Color

```



```

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

```

## 27 File bidituftetitle.sty

```

5797 \NeedsTeXFormat{LaTeX2e}
5798 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
5799 bidi implementation of tufte title]
5800 \RequirePackage{biditools}
5801 %%
5802 % `titlepage' option -- creates a full title page with \maketitle
5803 \newboolean{@bidituftetitle@titlepage}
5804 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
5805 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
5806 % Default `book' and `handout' options
5807 \@ifclassloaded{book}{%
5808 \ExecuteOptions{titlepage}}{%
5809 \@ifclassloaded{article}{%
5810 \ExecuteOptions{notitlepage}}%
5811 {}%
5812 \ProcessOptions
5813 %%
5814 % Modified \title, \author, and \date commands. These store the
5815 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5816 \newcommand{\plaintitle}{}% plain-text-only title
5817 \newcommand{\plainauthor}{}% plain-text-only author
5818 \newcommand{\plainpublisher}{}% plain-text-only publisher
5819 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5820 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5821 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}

```



```

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

```



```

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

```



```

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

```

## 28 File bidentufte-handout.cls

```

5946 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5947 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5948 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5949 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5950 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5951 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5952 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5953 \ProcessOptions\relax
5954 \LoadClass{article}
5955 \RequirePackage{bidentuftefloat}
5956 \RequirePackage{bidentuftesidenote}
5957 \RequirePackage{bidentuftetoc}
5958 \RequirePackage{bidentuftegeneralstructure}
5959 \RequirePackage{bidentuftehyperref}
5960 \RequirePackage{bidentuftetitle}
5961 \renewenvironment{abstract}
5962 {\begin{quotation}}
5963 {\end{quotation}}
5964 \AtBeginDocument{%
5965 \IfFileExists{bidentufte-handout.cfg}
5966 {\input{bidentufte-handout.cfg}
5967 \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
5968 {}%

```



5969 }

## 29 File bidentufte-book.cls

```
5970 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5971 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
5972 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5973 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5974 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5975 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5976 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5977 \ProcessOptions\relax
5978 \LoadClass{book}
5979 \RequirePackage{bidentuftefloat}
5980 \RequirePackage{bidentuftesidenote}
5981 \RequirePackage{bidentuftetoc}
5982 \RequirePackage{bidentuftegeneralstructure}
5983 \RequirePackage{bidentuftehyperref}
5984 \RequirePackage{bidentuftetitle}
5985 %%
5986 % Set up any book-specific stuff now
5987 %%
5988 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5989 % to the opening page of Chapter 1. The running heads, when they appear,
5990 % contain only the (arabic) page number in the outside corner.
5991 \newif\if@mainmatter \mainmattertrue
5992 \renewcommand\frontmatter{%
5993   \cleardoublepage%
5994   \@mainmatterfalse%
5995   \pagenumbering{arabic}%
5996   %\pagestyle{plain}%
5997   \fancyhf{}%
5998   \ifthenelse{\boolean{@bidentuftefloat@twoside}}%
5999     {\fancyhead[LE,RO]{\thepage}}%
6000     {\fancyhead[RE,RO]{\thepage}}%
6001 }
6002 %%
6003 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
6004 % numbering---it continues where it left off in the front matter.
6005 \renewcommand\mainmatter{%
6006   \cleardoublepage%
6007   \@mainmattertrue%
6008   \fancyhf{}%
6009   \ifthenelse{\boolean{@bidentuftefloat@twoside}}%
6010     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
6011     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
6012     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
6013     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
6014 }
6015 %%
```



```

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

```

### 30 File bidipoem.sty

```

6035\NeedsTeXFormat{LaTeX2e}
6036\ProvidesPackage{bidipoem}%
6037[2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
6038
6039% Usage:
6040%
6041% \Setversedim #1#2 % define the layout (within a group):
6042% #1 = length of both half-verses
6043% #2 = separation distance = length of a connection, if present
6044% Variant:
6045% \Setversedim #1[#2]#3 % for half-verses of unequal length
6046% #1 = length of first (=right) half-verse
6047% #2 = length of second (=left) half-verse
6048% #3 = separation distance = length of a connection, if present
6049%
6050% \traditionalhalfverses #1#2 % typeset two separated half-verses
6051% #1 = text of first (=right) half-verse
6052% #2 = text of second (=left) half-verse
6053% Variant:
6054% \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
6055% #1 = text of first (=right) half-verse
6056% #2 = text of connection
6057% #3 = text of second (=left) half-verse
6058%
6059% Alternative (if preferred):
6060%
6061% \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
6062

```



```

6063
6064 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
6065
6066 % define the layout, verses will be centered
6067
6068 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
6069 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
6070
6071 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
6072 \bidipoem@hvind \textwidth
6073 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
6074 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
6075 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
6076
6077 \def \bidipoem@set@verseI [#1]{% optional parameter
6078 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
6079
6080 \newcommand*{\bidipoem@set@@verse}[1]{% separation
6081 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
6082 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
6083
6084 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
6085 \ifdim Opt > \bidipoem@hvind %
6086 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
6087 \else
6088 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
6089 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
6090 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
6091 \par }
6092
6093 % macro for two half verses
6094 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
6095 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}}}%
6096 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
6097 \bidipoem@half@verses@next}
6098
6099 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
6100 \traditionalconnverses {#1}{#2}{#3}}
6101
6102
6103 {\catcode\^^M=\active % these lines must end with %
6104 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
6105 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
6106 {\catcode\^^M=\active % these lines must end with %
6107 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
6108 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
6109 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
6110 \def\poemmarginskip{1em plus 1fil minus 1em}
6111 \def\poemextrabaselineskip{0\baselineskip}
6112 \def\poemskip{\medskip}

```





```

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

```



```

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

```



```

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

```



```

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

```



```

6313 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6314 \ifx\max@poem@no\undefined
6315     \def\max@poem@no{0}%
6316 \fi
6317 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
6318 \newcommand{\poem@write@aux}[2]{%
6319     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6320     \@x
6321 }
6322 \def\@modernpoem{%
6323 \par
6324 \begingroup
6325 \parskip=\z@
6326 \parindent=\z@
6327 \def\{ {\@settab\@tabplus\ignorespaces}%
6328 \def\} {\@tabminus\ignorespaces}%
6329 \def\newblock{\poemblocksep}%
6330 \let\newpoem@tabcr\@tabcr
6331 \def\modernpoem@par{% Redefine \par for possible \obeylines
6332     \ifpoem@started\else
6333         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6334             \@stopfield
6335             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6336             \@contfield
6337         \fi
6338     \fi
6339     \ifpoem@started\newpoem@tabcr\fi}%
6340 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6341 \global\poem@startedfalse
6342 \csname poem@obeylines\endcsname
6343 \let\poem@obeylines\relax
6344 \begin{tabbing}%
6345 }
6346 \def\@endmodernpoem{%
6347 \global\poem@startedfalse
6348 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6349     \@stopfield
6350     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6351     \@contfield
6352 \fi
6353 \ifpoem@started\else\let\@stopline\@stopfield\fi
6354 \end{tabbing}%
6355 \endgroup
6356 \par
6357 \if@nparlist \else
6358     \ifdim\lastskip >\z@
6359         \@tempskipa\lastskip \vskip -\lastskip
6360         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6361         \vskip\@tempskipa
6362     \fi

```



```

6363 \endparenv
6364 \fi
6365 }
6366 \newenvironment{modernpoem}{\@modernpoem}{\endmodernpoem}
6367 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modern
6368 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6369 \gdef\@startfield{%
6370 \global\setbox\@curfield\hbox\bgroup%
6371 \let\@footnotetext\bidipoem@p@ftntext%
6372 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6373 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6374 \let\@xfootnotenext\bidipoem@p@xftntext%
6375 \let\@xfootnote\bidipoem@p@xfootnote%
6376 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6377 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6378 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6379 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6380 \color@begingroup}
6381 \gdef\@stopfield{%
6382 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6383 \gdef\@contfield{%
6384 \global\setbox\@curfield\hbox\bgroup%
6385 \let\@footnotetext\bidipoem@p@ftntext%
6386 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6387 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6388 \let\@xfootnotenext\bidipoem@p@xftntext%
6389 \let\@xfootnote\bidipoem@p@xfootnote%
6390 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6391 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6392 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6393 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6394 \color@begingroup\unhbox\@curfield}

```

### 31 File boek3-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

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

```



```

6560 \setcounter{footnote}{0}%
6561 \global\let\thanks\relax
6562 \global\let\maketitle\relax
6563 \global\let\@thanks\@empty
6564 \global\let\@author\@empty
6565 \global\let\@title\@empty
6566 \global\let\@date\@empty
6567 \global\let\title\relax
6568 \global\let\author\relax
6569 \global\let\date\relax
6570 \global\let\and\relax
6571 }

```

## 32 File boek-xetex-bidi.def

```

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

```



```

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

```



```

6657 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6658 \kern.4\baselineskip}
6659 \renewenvironment{abstract}{%
6660     \titlepage
6661     \null\vfil
6662     \section*{\SectFont \abstractname}
6663     \noindent\ignorespaces}
6664     {\par\vfil\null\endtitlepage}
6665 \renewenvironment{thebibliography}[1]
6666     {\chapter*{\bibname}%
6667         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6668         \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6669         \bidi@thebibliography@font@hook%
6670         \list{\@biblabel{\@arabic\c@enumiv}}{%
6671             {\settowidth\labelwidth{\@biblabel{#1}}%
6672             \leftmargin\labelwidth
6673             \advance\leftmargin\labelsep
6674             \@openbib@code
6675             \usecounter{enumiv}%
6676             \let\p@enumiv\@empty
6677             \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6678         \sloppy\clubpenalty4000\widowpenalty4000%
6679         \sfcode`.\@m}
6680     {\def\@noitemerr
6681         {\@latex@warning{Empty `thebibliography' environment}}}%
6682     \endlist}
6683 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6684 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6685 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6686 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6687 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6688 \renewcommand*\theequation{%
6689     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6690 \renewcommand*\thefigure{%
6691     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6692 \renewcommand*\thetable{%
6693     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6694 \renewcommand*\maketitle{%
6695     \begin{titlepage}%
6696         \let\footnotesize\small
6697         \let\right@footnoterule\relax
6698         \let\left@footnoterule\relax
6699         \let\textwidth\footnoterule\relax
6700         \let \footnote \thanks
6701         \long\def\@makefnmark##1{\parindent\z@
6702             \def\labelitemi{\textendash}\@revlabeltrue
6703             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6704         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6705         \if@compatibility\setcounter{page}{0}\fi
6706         \null\vfil

```



```

6707 \vskip 60\p@
6708 \begin{center}%
6709 \TitleFont
6710 {\LARGE \def\\{\penalty -\@M}
6711 \if@allcaps
6712 \expandafter\uc@nothanks\@title\thanks\relax
6713 \else
6714 \@title
6715 \fi\par}%
6716 \vskip 3em%
6717 {\large
6718 \lineskip .75em \parindent\z@
6719 \begin{tabular}[t]{c}%
6720 \if@allcaps
6721 \expandafter\uc@authornothanks\@author\and\relax
6722 \else
6723 \@author
6724 \fi
6725 \end{tabular}\par}%
6726 \vskip 1.5em%
6727 {\large
6728 \if@allcaps
6729 \uppercase\expandafter{\@date}%
6730 \else
6731 \@date
6732 \fi\par}%
6733 \end{center}\par
6734 \@thanks
6735 \vfil\null
6736 \end{titlepage}%
6737 \setcounter{footnote}{0}%
6738 \global\let\thanks\relax
6739 \global\let\maketitle\relax
6740 \global\let\@thanks\@empty
6741 \global\let\@author\@empty
6742 \global\let\@title\@empty
6743 \global\let\@date\@empty
6744 \global\let\title\relax
6745 \global\let\author\relax
6746 \global\let\date\relax
6747 \global\let\and\relax
6748 }

```

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

```

6749 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6750 \def\@makechapterhead#1{%
6751 \vspace*{20\p@}
6752 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6753 \ifnum \c@secnumdepth >\m@ne

```



```

6754     \if@mainmatter
6755         {\colorA\huge\scshape \@chapapp\space \thechapter}
6756         \par\nobreak
6757         \vskip 10\p@
6758     \fi
6759 \fi
6760 \interlinepenalty\@M
6761 {\colorB\hrule}
6762 \vskip 15\p@
6763 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6764     {\colorA\Huge \bfseries #1}\par\nobreak
6765 \if@RTL\end{flushleft}\else\end{flushright}\fi
6766 \vskip 5\p@
6767 {\colorB\hrule}
6768 \vskip 30\p@
6769 }}
6770 \def\@makeschapterhead#1{%
6771     \vspace*{20\p@}
6772     {\parindent \z@ \raggedright \normalfont
6773     {\colorB\hrule}
6774     \vskip 15\p@
6775     \begin{center}
6776         {\colorA\Huge \bfseries #1}\par\nobreak
6777     \end{center}
6778     \vskip 5\p@
6779     {\colorB\hrule}
6780     \vskip 30\p@
6781 }}

```

## 34 File book-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

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

```



```

6951      \par\nobreak
6952      \vskip 20\p@
6953      \fi
6954      \fi
6955      \interlinepenalty\@M
6956      \Huge \bfseries #1\par\nobreak
6957      \vskip 40\p@
6958    }}
6959 \def\@makeschapterhead#1{%
6960   \vspace*{50\p@}%
6961   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6962    \normalfont
6963    \interlinepenalty\@M
6964    \Huge \bfseries #1\par\nobreak
6965    \vskip 40\p@
6966   }}
6967 \renewcommand\backmatter{%
6968   \if@openright
6969     \cleardoublepage
6970   \else
6971     \clearpage
6972   \fi
6973   \@mainmatterfalse}
6974 \renewenvironment{thebibliography}[1]
6975   {\chapter*{\bibname}%
6976    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6977    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6978    \bidi@thebibliography@font@hook%
6979    \list{\@biblabel{\@arabic\c@enumiv}}%
6980      {\settowidth\labelwidth{\@biblabel{#1}}%
6981       \leftmargin\labelwidth
6982       \advance\leftmargin\labelsep
6983       \@openbib@code
6984       \usecounter{enumiv}%
6985       \let\p@enumiv\@empty
6986       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6987    \sloppy
6988    \clubpenalty4000
6989    \@clubpenalty \clubpenalty
6990    \widowpenalty4000%
6991    \sfcode`.\@m}
6992   {\def\@noitemerr
6993    {\@latex@warning{Empty `thebibliography' environment}}%
6994    \endlist}

```

## 35 File breqn-xetex-bidi.def

```

6995 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for XeLaTeX]
6996 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6997   \everydisplay\expandafter{\the\everydisplay \display@setup}%

```



```

6998 \if@noskipsec \leavevmode \fi
6999 \if@inlabel \leavevmode \global\@inlabelfalse \fi
7000 \if\eq@group\else\eq@prelim\fi
7001 \setkeys{breqn}{#1}%
7002 \the\eqstyle
7003 \eq@setnumber
7004 \begingroup
7005 \eq@setup@a
7006 \eq@startup
7007 }
7008 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
7009 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
7010 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
7011 \global\let\GRP@label\@empty
7012 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
7013 \global\grp@linewidth\z@\global\grp@wdNum\z@
7014 \global\let\grp@eqs@numbered\@False
7015 \global\let\grp@aligned\@True
7016 \global\let\grp@shiftnumber\@False
7017 \eq@prelim
7018 \setkeys{breqn}{#1}%
7019 \if\grp@hasNumber \grp@setnumber \fi
7020 }
7021 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
7022 \let\display@setup\dseries@display@setup
7023 % Question: should this be the default for dseries???
7024 \global\eq@wdCond\z@
7025 \@dmath[layout={M},#1]%
7026 \mathsurround\z@\@math \penalty\@Mi
7027 \let\endmath\ends@math
7028 \def\premath{%
7029 \ifdim\lastskip<.3em \unskip
7030 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
7031 }%
7032 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
7033 \ignorespaces
7034 }
7035 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@italiccorr)\if@nonlatin\endR\fi}
7036 \renewenvironment{dsuspend}{%
7037 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
7038 \parshape 1 \displayindent \displaywidth\relax
7039 \hsize=\columnwidth \noindent\ignorespaces
7040 }{%
7041 \par\egroup
7042 \global\setbox\GRP@box\vbox{%
7043 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
7044 \unvbox\GRP@box
7045 }%
7046 \global\GRP@queue\@xp{\the\GRP@queue
7047 \elt{\let\eq@isIntertext\@True}%

```



```

7048 }%
7049 }

```

## 36 File cals-xetex-bidi.def

```

7050 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
7051 \renewcommand\cals@setup@alignment[1]{%
7052 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
7053 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
7054 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
7055 }
7056 \renewcommand\cals@table@alignment{\ifRTLtab r\else l\fi}
7057 \renewenvironment{calstable}[1][\cals@table@alignment]{%
7058 \ifRTLtab\cals@activate@rtl\fi
7059 \let\cals@thead@tokens=\relax
7060 \let\cals@tfoot@tokens=\relax
7061 \let\cals@tbody@tokens=\relax
7062 \cals@tfoot@height=0pt \relax
7063 \let\cals@last@context=n%
7064 \let\cals@current@context=b%
7065 \parindent=0pt \relax%
7066 \cals@setup@alignment{#1}%
7067 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsiz%
7068 %% Alignment inside is independent on center/flushright outside
7069 \parfillskip=0pt plus1fil\relax
7070 \let\cals@borderL=\relax
7071 \let\cals@borderR=\relax
7072 \let\cals@borderT=\relax
7073 \let\cals@borderB=\relax
7074 \setbox\cals@backup@row=\box\voidb@x\relax
7075 \cals@AtBeginTable
7076 }{% End of the table
7077 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
7078 \renewcommand\alignL{%
7079 \ifRTLtab
7080 \cals@vfillAdd\cals@paddingL
7081 \else
7082 \cals@vfillDrop\cals@paddingL
7083 \fi
7084 \cals@vfillDrop\cals@paddingR}
7085 \renewcommand\alignR{%
7086 \ifRTLtab
7087 \cals@vfillDrop\cals@paddingL
7088 \else
7089 \cals@vfillAdd\cals@paddingL
7090 \fi
7091 \cals@vfillDrop\cals@paddingR}

```

## 37 File caption-xetex-bidi.def



```

7092 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
7093 \let\@makecaption\caption@makecaption

```

## 38 File caption3-xetex-bidi.def

```

7094 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
7095 \renewcommand*\caption@@par{%
7096 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

## 39 File colortbl-xetex-bidi.def

```

7097 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
7098 \def\CT@setup{%
7099 \@tempdimb\col@sep
7100 \@tempdimc\col@sep
7101 \def\CT@color{%
7102 \global\let\CT@do@color\CT@@do@color
7103 \bidicolor}}
7104 \def\@classz{\@classx
7105 \@tempcnta\count@
7106 \prepnext@tok
7107 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
7108 \@addtopreamble{\if@RTLtab\beginL\fi%
7109 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
7110 \ifcase\@chnum
7111 \hskip\stretch{.5}\kern\z@
7112 \dollarbegin
7113 \insert@column
7114 \dollarend\hskip\stretch{.5}\or
7115 \dollarbegin\insert@column\dollarend\hfill\or
7116 \hfill\kern\z@\dollarbegin\insert@column\dollarend\or
7117 $\vcenter
7118 \@startpbox{\@nextchar}\insert@column\@endpbox$\or
7119 \vtop\@startpbox{\@nextchar}\insert@column\@endpbox\or
7120 \vbox\@startpbox{\@nextchar}\insert@column\@endpbox
7121 \fi
7122 \if@RTLtab\endR\fi\egroup\egroup
7123 \begingroup
7124 \CT@setup
7125 \CT@column@color
7126 \CT@row@color
7127 \CT@cell@color
7128 \CT@do@color
7129 \endgroup
7130 \@tempdima\ht\z@
7131 \advance\@tempdima\minrowclearance
7132 \vrule\@height\@tempdima\@width\z@
7133 \unhbox\z@\if@RTLtab\endL\fi}%
7134 \prepnext@tok}

```



## 40 File color-xetex-bidi.def

```

7135 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
7136 \long\def\color@b@x#1#2#3{%
7137   \leavevmode\ifhmode\else\if@RTL\beginL\fi\fi
7138   \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
7139   \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
7140   \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
7141   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
7142     \box\z@}}\ifhmode\else\if@RTL\endL\fi\fi}
7143 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
7144 \DeclareRobustCommand\color{%
7145   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor]
7146   \def\@undeclaredcolor#1{%
7147     \ifundefined{\string\color @#1}%
7148       {\c@lor@error{`#1'}}%
7149       {\expandafter\let\expandafter\current@color
7150         \csname\string\color @#1\endcsname
7151         \set@color}%
7152     \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7153 \def\@undeclaredcolor[#1]#2{%
7154   \ifundefined{color@#1}%
7155     {\c@lor@error{model `#1'}}%
7156     {\csname color@#1\endcsname\current@color{#2}%
7157     \set@color}%
7158   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7159 \DeclareRobustCommand\bidicolor{%
7160   \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
7161 \def\@bidiundeclaredcolor[#1]#2{%
7162   \ifundefined{color@#1}%
7163     {\c@lor@error{model `#1'}}%
7164     {\csname color@#1\endcsname\current@color{#2}%
7165     \set@color}%
7166   \ignorespaces}
7167 \def\@bidideclaredcolor#1{%
7168   \ifundefined{\string\color @#1}%
7169     {\c@lor@error{`#1'}}%
7170     {\expandafter\let\expandafter\current@color
7171       \csname\string\color @#1\endcsname
7172       \set@color}%
7173   \ignorespaces}
7174 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
7175 \def\color@fbbox#1#2#3{%
7176   \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
7177 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode\fi}

```

## 41 File combine-xetex-bidi.def

```

7178 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
7179 \renewcommand{\c@ll@chapsecii}[2]{%

```



```

7180 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7181 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7182 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7183 }
7184 \renewcommand{\c@ll@chapseci}{%
7185 \setlength\@tempdima{0em}%
7186 \begin{group}
7187 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7188 \parfillskip -\@pnumwidth
7189 \leavevmode
7190 }
7191 \renewenvironment{tocindent}[1]{%
7192 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

## 42 File crop-xetex-bidi.def

```

7193 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
7194 \renewcommand*\CROP@ulc{%
7195 \if@RTLmain%
7196 \begin{picture}(0,0)
7197 \unitlength\p@\thinlines
7198 \put(-40,0){\circle{10}}
7199 \put(-30,-5){\line(0,1){10}}
7200 \put(-35,0){\line(1,0){30}}
7201 \put(-10,30){\circle{10}}
7202 \put(-5,30){\line(1,0){10}}
7203 \put(0,35){\line(0,-1){30}}
7204 \end{picture}%
7205 \else%
7206 \begin{picture}(0,0)
7207 \unitlength\p@\thinlines
7208 \put(-30,0){\circle{10}}
7209 \put(-30,-5){\line(0,1){10}}
7210 \put(-35,0){\line(1,0){30}}
7211 \put(0,30){\circle{10}}
7212 \put(-5,30){\line(1,0){10}}
7213 \put(0,35){\line(0,-1){30}}
7214 \end{picture}%
7215 \fi%
7216 }
7217 \renewcommand*\CROP@urc{%
7218 \if@RTLmain%
7219 \begin{picture}(0,0)
7220 \unitlength\p@\thinlines
7221 \put(20,0){\circle{10}}
7222 \put(30,-5){\line(0,1){10}}
7223 \put(35,0){\line(-1,0){30}}
7224 \put(-10,30){\circle{10}}
7225 \put(-5,30){\line(1,0){10}}
7226 \put(0,35){\line(0,-1){30}}

```



```

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

```





```

7277         \put(30,0){\circle{10}}
7278         \put(30,-5){\line(0,1){10}}
7279         \put(35,0){\line(-1,0){30}}
7280         \put(0,-30){\circle{10}}
7281         \put(-5,-30){\line(1,0){10}}
7282         \put(0,-35){\line(0,1){30}}
7283     \end{picture}%
7284     \fi%
7285 }
7286 \ifpackagewith{crop}{cam}{%
7287 \CROP@execopt{cam}%
7288 }{}

```

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

```

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

```



```

7324     \fi
7325     \def\c@twrounds{1}
7326     \fi}}

```

## 44 File cuted-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

7471         \vsplit\v@aaa to\@tempdimb\vss}%
7472 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7473 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7474 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7475 \setbox\v@ccc\vbox to\@tempdimb{%
7476     \vsplit\@holdpg to\@tempdimb\vss}%
7477 %%
7478 \setbox\@tempboxa \vbox {%
7479     \hb@xt@\textwidth {%
7480         \if@RTLmain%
7481             \hskip \columnwidth
7482             \hfil \vrule width\columnseprule \hfil
7483             \hb@xt@\columnwidth {%
7484                 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7485             \hskip -\textwidth
7486             \hb@xt@\columnwidth {%
7487                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7488             \hskip \columnsep
7489             \hskip \columnwidth
7490             \else%
7491                 \hb@xt@\columnwidth {%
7492                     \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7493                     \hfil
7494                     \vrule \@width\columnseprule
7495                     \hfil
7496                     \hb@xt@\columnwidth {%
7497                         \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7498                         \fi}%
7499                 }%
7500 \ifvoid\hold@viper
7501     \global\setbox\hold@viper \vbox {%
7502         \unvbox\@tempboxa
7503         \penalty\interlinepenalty
7504         \vskip\stripsep
7505         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7506         \outputpenalty \z@
7507     }%
7508 \else
7509     \global\setbox\hold@viper \vbox {%
7510         \unvbox\hold@viper
7511         \unvbox\@tempboxa
7512         \penalty\interlinepenalty
7513         \vskip\stripsep
7514         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7515         \outputpenalty \z@
7516     }%
7517 \fi
7518 \ifdim \@colroom>\@reqcolroom
7519     \global\setbox\hold@viper \vbox {%
7520         \unvbox\hold@viper

```



```

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

```



```

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

```



```

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

```





```

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

```



```

7721         \ifdim\@colroom<\z@
7722             \global\@colroom 1pt
7723             \ifdim\@tempdima>\@colht
7724                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7725                     netelpe lape \thepage (2 stulpelis))}%
7726             \fi
7727             \@emptycol
7728             \if@firstcolumn
7729             \else
7730                 \@emptycol
7731             \fi
7732             \global\@lastvipertrue
7733         \fi
7734     \fi
7735 \fi
7736 \fi
7737 \if@insert
7738 \else
7739     \advance\@tempdima by-\ht\hold@viper
7740     \global \advance \@colht \@tempdima
7741     \global\setbox\hold@viper \vbox {%
7742                                     \unvbox\hold@viper
7743                                     \csname viper@top@hook\endcsname
7744                                     \vsplit\@viper to \@colht
7745                                     \vss
7746                                     }%
7747     \vbox{}%
7748     \global\@firstcolumnfalse
7749     \newpage
7750 \fi
7751 }

```

## 45 File cvthemebidicasual.sty

```

7752 \NeedsTeXFormat{LaTeX2e}
7753 \ProvidesPackage{cvthemebidicasual}
7754 \DeclareOption{blue}{}
7755 \newif\if@colourorange\@colourorangefalse
7756 \DeclareOption{orange}{\@colourorangetrue}
7757 \newif\if@colourgreen\@colourgreenfalse
7758 \DeclareOption{green}{\@colourgreentrue}
7759 \newif\if@colourred\@colourredfalse
7760 \DeclareOption{red}{\@colourredtrue}
7761 \newif\if@colourgrey\@colourgreyfalse
7762 \DeclareOption{grey}{\@colourgreytrue}
7763 \DeclareOption*{
7764     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7765 \ExecuteOptions{colour}
7766 \ProcessOptions\relax
7767 \renewcommand*{\listitemsymbol}{\textbullet}

```



```

7768 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7769 \familynamecolour{808080}
7770 \firstnamecolour{A9A9A9}
7771 \quotecolour{696969}
7772 \addresscolour{696969}
7773 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7774 \sectiontitlecolour{1E90FF}
7775 \subsectioncolour{4682B4}
7776 \definecolor{rulecolour}{gray}{0.6}
7777 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7778 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7779 \if@colourorange
7780 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7781 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7782 \sectiontitlecolour{FF8C00}
7783 \subsectioncolour{FF8C00}
7784 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7785 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7786 \if@colourgreen
7787 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7788 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7789 \sectiontitlecolour{008000}
7790 \subsectioncolour{008000}
7791 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7792 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7793 \if@colourred
7794 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7795 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7796 \sectiontitlecolour{FF0000}
7797 \subsectioncolour{FF0000}
7798 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7799 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7800 \if@colourgrey
7801 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7802 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7803 \sectiontitlecolour{808080}
7804 \subsectioncolour{808080}
7805 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7806 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7807 \renewcommand*{\ttdefault}{pcr}
7808 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7809 \renewcommand*{\familynamefont}{\firstnamefont}
7810 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7811 \renewcommand*{\quote font}{\large\slshape}
7812 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7813 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7814 \renewcommand*{\maketitle}{%
7815   {%
7816     \ifthenelse{\isundefined{\@photo}}{%
7817       {}%

```



```

7818      {{\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
7819      \hfill%
7820      \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7821      {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7822      \ifthenelse{\isundefined{\@quote}}{%
7823        {%
7824          \centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]}%
7825        }%
7826      \newif\if@firstfooterelement\@firstfooterelementtrue
7827      \providecommand*\footersymbol{}
7828      \renewcommand*\footersymbol{}
7829      \if@firstfooterelement%
7830        \else%
7831          {~~\color{footersymbolcolor}\textbullet~~}\fi}
7832      \providecommand*\makefooter{}
7833      \renewcommand*\makefooter{}
7834      \fancypagestyle{plain}{%
7835        \fancyfoot[c]{%
7836          \parbox{0.8\textwidth}{%
7837            \centering%
7838            \addressfont\@addresscolour%
7839            \ifthenelse{\isundefined{\@address}}{}{}%
7840            \addresssymbol~\@address\\%
7841            \@firstfooterelementfalse}%
7842            \ifthenelse{\isundefined{\@mobile}}{}{\footersymbol~\@mobile\@firstfooterelementfalse}%
7843            \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7844            \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7845            \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}%
7846            \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7847          }%
7848          \pagestyle{plain}}
7849      \AtBeginDocument{\makefooter}

```

## 46 File cvthemebidiclassic.sty

```

7850 \NeedsTeXFormat{LaTeX2e}
7851 \ProvidesPackage{cvthemebidiclassic}
7852 \DeclareOption{blue}{}
7853 \newif\if@colourorange\@colourorangefalse
7854 \DeclareOption{orange}{\@colourorange>true}
7855 \newif\if@colourgreen\@colourgreenfalse
7856 \DeclareOption{green}{\@colourgreentruer}
7857 \newif\if@colourred\@colourredfalse
7858 \DeclareOption{red}{\@colourredtrue}
7859 \newif\if@colourgrey\@colourgreyfalse
7860 \DeclareOption{grey}{\@colourgreytrue}
7861 \DeclareOption*{
7862   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7863 \ExecuteOptions{colour}
7864 \ProcessOptions\relax

```



```

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

```



```

7915 \newlength{\maketitledetailswidth}
7916 \renewcommand*{\recomputethemelengths}{%
7917   \setlength{\maketitledetailswidth}{\textwidth}%
7918   \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
7919   \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7920   \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}}
7921 \recomputethemelengths
7922 \newif\if@firstdetailselement\@firstdetailselementtrue
7923 \newcommand*{\maketitledetailsnewline}{
7924   \if@firstdetailselement%
7925     \@firstdetailselementfalse%
7926   \else%
7927     \[.2em]\fi}
7928 \renewcommand*{\maketitle}{%
7929   % name and title
7930   \begin{minipage}[b]{\maketitlenamewidth}%
7931     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7932     \ifthenelse{\equal{\@title}{}}{\}[1.25em]\titlestyle{\@title}}%
7933   \end{minipage}%
7934   % optional data
7935   \begin{minipage}[b]{\maketitledetailswidth}%
7936     \bidi@raggedleft\addressfont\@addresscolour%
7937     \ifthenelse{\isundefined{\@address}}{\}%
7938     \maketitledetailsnewline%
7939     \addresssymbol~\@address}%
7940     \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
7941     \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
7942     \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
7943     \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}%
7944     \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
7945   \end{minipage}%
7946   % optional photo
7947   \ifthenelse{\isundefined{\@photo}}{\}%
7948   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlephoto]{\@photo}}}%
7949   % optional quote
7950   \ifthenelse{\isundefined{\@quote}}{\}%
7951   {\}%
7952   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}[1.25em]}
7953 }
7954 }

```

## 47 File dblfnote-xetex-bidi.def

```

7955 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7956 \let\autofootnoterule\relax
7957 \let\rightfootnoterule\relax
7958 \let\leftfootnoterule\relax
7959 \let\textwidthfootnoterule\relax
7960 \let\LRfootnoterule\relax
7961 \def\footnoterule{\kern-3\p@

```



```

7962 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7963 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7964 \let\@footnotetext\dfn@footnotetext}
7965 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7966   \let\insert\dfn@gobble
7967   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7968   \def\@makefnmark{\smash{\dfn@makefnmark}}
7969   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7970   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7971   \ifdim\dfn@dima>\z@ \else
7972     \dfn@dima1sp\relax
7973     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7974   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7975     \ifvoid\dfn@ins\else
7976       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7977     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7978   \setbox\dfn@boxa\copy\dfn@ins
7979   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7980   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7981   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7982   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7983   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7984 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7985 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7986 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7987   \let\insert\dfn@gobble
7988   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7989   \def\@makefnmark{\smash{\dfn@makefnmark}}
7990   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7991   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7992   \ifdim\dfn@dima>\z@ \else
7993     \dfn@dima1sp\relax
7994     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7995   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7996     \ifvoid\dfn@ins\else
7997       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7998     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7999   \setbox\dfn@boxa\copy\dfn@ins
8000   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8001   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
8002   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
8003   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
8004   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
8005 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
8006 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
8007 \def\dfn@RTLmakecol{\ifvoid\footins\else
8008   \dfn@dima\ht\footins
8009   \@tempcnta\z@ \dfn@countins
8010   \@tempdima\z@ \let\@elt\dfn@elt@getht
8011   \dfn@list\@nil

```



```

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

```





```

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

```



```

8112          \fi\fi
8113          \fi}%
8114          \let\footnoterule\relax \dfn@latex@makecol
8115          \let\footnoterule\dfn@footnoterule}
8116 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
8117 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
8118 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
8119 \DFNalwaysdouble

```

## 48 File diagbox-xetex-bidi.def

```

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

```



```

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

```



```

8209 \Line(0,\yym)(\x,0)
8210 \Line(\xm,\y)(\x,0)}%
8211 }{}{}
8212 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8213 \diagbox@setlinecolor
8214 \Line(0,0)(\xxm,\y)
8215 \Line(0,0)(\x,\yym)%
8216 }{%
8217 {\diagbox@setlinecolor
8218 \Line(0,0)(\xxm,\y)
8219 \Line(0,0)(\x,\yym)}%
8220 }{}{}
8221 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8222 \diagbox@setlinecolor
8223 \Line(0,\ym)(\x,\y)
8224 \Line(\xm,0)(\x,\y)%
8225 }{%
8226 {\diagbox@setlinecolor
8227 \Line(0,\ym)(\x,\y)
8228 \Line(\xm,0)(\x,\y)}%
8229 }{}{}
8230 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8231 \diagbox@setlinecolor
8232 \Line(0,\y)(\xxm,0)
8233 \Line(0,\y)(\x,\ym)%
8234 }{%
8235 {\diagbox@setlinecolor
8236 \Line(0,\y)(\xxm,0)
8237 \Line(0,\y)(\x,\ym)}%
8238 }{}{}

```

## 49 File draftwatermark-xetex-bidi.def

```

8239 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8240 \renewcommand\SetWatermarkText[1]{%
8241 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

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

```

8242 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package]
8243 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8244 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}
8245
8246 \ESO@isMEMOIR{%
8247 \renewcommand\AtTextUpperLeft[1]{%
8248 \begingroup
8249 \ifodd\c@page
8250 \@tempdima=\spinemargin
8251 \else
8252 \@tempdima=\paperwidth

```



```

8253      \advance\@tempdima-\textwidth
8254      \advance\@tempdima-\spinemargin
8255      \fi
8256      \@tempdimb=-\uppermargin
8257      \AtPageUpperLeft{%
8258        \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8259      }%
8260      \endgroup
8261    }
8262  }{%
8263    \renewcommand\AtTextUpperLeft[1]{%
8264      \begingroup
8265        \@tempdima=1in\relax
8266        \ifodd\c@page
8267          \advance\@tempdima\oddsidemargin
8268        \else
8269          \advance\@tempdima\evensidemargin
8270        \fi
8271        \@tempdimb=-1in\relax
8272        \advance\@tempdimb-\topmargin
8273        \advance\@tempdimb-\headheight
8274        \advance\@tempdimb-\headsep
8275        \AtPageUpperLeft{%
8276          \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8277        }%
8278        \endgroup
8279      }
8280    }

```

## 51 File empheq-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

8400      \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8401 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8402 \MH_set_boolean_T:n {show_manual_tags}
8403   \MH_if_case:w \l_EQ_alignmentmode_int
8404   \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
8405   \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
8406   \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
8407   \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
8408   \MH_fi:
8409 \MH_fi:
8410 \end{AmSequation*}
8411 \global\c@equation=\l_EQ_equation_fint\relax
8412 }
8413 \AtBeginDocument{%
8414   \@ifpackageloaded{fancybox}{%
8415     \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8416     {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
8417       \renewcommand*{\shadowbox{%
8418         \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
8419           \VerbBox\EQ_shadowbox:n}
8420         {\MH_set_boolean_F:n {shadowbox_star}
8421           \VerbBox\EQ_shadowbox:n}}
8422       \def\EQ_shadowbox:n #1{%
8423         \sbox{\z@}{\fbox{#1}}}%
8424       \MH_if_boolean:nTF {shadowbox_star}{
8425         \MH_setlength:dn \@tempdima{\z@}%
8426       }{
8427         \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8428       }
8429       \raisebox{\@tempdima}{%
8430         \if@RTL\makebox[\z@][r]{%
8431           \kern\shadowsize \textcolor{shadowcolor}{%
8432             \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8433         }%
8434         \else\makebox[\z@][l]{%
8435           \kern\shadowsize \textcolor{shadowcolor}{%
8436             \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8437         }\fi%
8438         \usebox\z@\textcolor{shadowcolor}{%
8439           \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8440       }{}%
8441 }
8442 \MHInternalSyntaxOff

```

## 52 File extarticle-xetex-bidi.def

```

8443 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8444 \renewcommand*{\l@section[2]{%
8445   \ifnum \c@tocdepth >\z@
8446     \addpenalty\@secpenalty

```





```

8447 \addvspace{1.0em \@plus\p@}%
8448 \setlength\@tempdima{1.5em}%
8449 \beginingroup
8450 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8451 \parfillskip -\@pnumwidth
8452 \leavevmode \bfseries
8453 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8454 \hskip -\if@RTL\rightskip\else\leftskip\fi
8455 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8456 \endgroup
8457 \fi}
8458 \renewcommand*\l@part[2]{%
8459 \ifnum \c@tocdepth >-2\relax
8460 \addpenalty\@secpenalty
8461 \addvspace{2.25em \@plus\p@}%
8462 \beginingroup
8463 \setlength\@tempdima{3em}%
8464 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8465 \parfillskip -\@pnumwidth
8466 {\leavevmode
8467 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8468 \nobreak
8469 \endgroup
8470 \fi}
8471 \def\@part[#1]#2{%
8472 \ifnum \c@secnumdepth >\m@ne
8473 \refstepcounter{part}%
8474 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8475 \else
8476 \addcontentsline{toc}{part}{#1}%
8477 \fi
8478 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8479 \interlinepenalty \@M
8480 \normalfont
8481 \ifnum \c@secnumdepth >\m@ne
8482 \Large\bfseries \partname~\thepart
8483 \par\nobreak
8484 \fi
8485 \huge \bfseries #2%
8486 \markboth{}{}\par}%
8487 \nobreak
8488 \vskip 3ex
8489 \@afterheading}
8490 \def\@spart#1{%
8491 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8492 \interlinepenalty \@M
8493 \normalfont
8494 \huge \bfseries #1\par}%
8495 \nobreak
8496 \vskip 3ex

```



```

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

```



```

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

```



```

8597 \begin{center}%
8598 \let \footnote \thanks
8599   {\LARGE \@title \par}%
8600   \vskip 1.5em%
8601   {\large
8602     \lineskip .5em%
8603     \begin{tabular}[t]{c}%
8604       \@author
8605     \end{tabular}\par}%
8606   \vskip 1em%
8607   {\large \@date}%
8608 \end{center}%
8609 \par
8610 \vskip 1.5em}
8611 \fi
8612 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8613 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8614 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8615 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

## 53 File extbook-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

8744         \huge\bfseries \@chapapp\space \thechapter
8745         \par\nobreak
8746         \vskip 20\p@
8747     \fi
8748 \fi
8749 \interlinepenalty\@M
8750 \Huge \bfseries #1\par\nobreak
8751 \vskip 40\p@
8752 }}
8753
8754 \def\@makeschapterhead#1{%
8755     \vspace*{50\p@}%
8756     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8757     \normalfont
8758     \interlinepenalty\@M
8759     \Huge \bfseries #1\par\nobreak
8760     \vskip 40\p@
8761     }}
8762 \renewcommand\backmatter{%
8763     \if@openright
8764         \cleardoublepage
8765     \else
8766         \clearpage
8767     \fi
8768     \@mainmatterfalse}
8769 \renewenvironment{thebibliography}[1]
8770     {\chapter*{\bibname
8771         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8772     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8773     \bidi@thebibliography@font@hook%
8774     \list{\@biblabel{\@arabic\c@enumiv}}%
8775         {\settowidth\labelwidth{\@biblabel{#1}}%
8776         \leftmargin\labelwidth
8777         \advance\leftmargin\labelsep
8778         \@openbib@code
8779         \usecounter{enumiv}%
8780         \let\p@enumiv\@empty
8781         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8782     \sloppy
8783     \clubpenalty4000
8784     \@clubpenalty \clubpenalty
8785     \widowpenalty4000%
8786     \sfcode`\.\@m}
8787 {\def\@noitemerr
8788     {\@latex@warning{Empty `thebibliography' environment}}}%
8789 \endlist}

```

## 54 File extletter-xetex-bidi.def

8790 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]



```

8791 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8792   \thispagestyle{firstpage}%
8793   {\if@RTL\raggedright\else\raggedleft\fi \@date\par}%
8794 \else % home address
8795   \thispagestyle{empty}%
8796   {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8797     \fromaddress \*[2\parskip]%
8798     \@date \end{tabular}\par}%
8799 \fi
8800 \vspace{2\parskip}%
8801 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
8802 \vspace{2\parskip}%
8803 #1\par\nobreak}
8804 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8805   \stopbreaks
8806   \noindent
8807   \ifx\@empty\fromaddress\else
8808     \hspace*{\longindentation}\fi
8809   \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8810     \ignorespaces #1\[[6\medskipamount]%
8811     \ifx\@empty\fromsig
8812       \fromname
8813     \else \fromsig \fi\strut}%
8814   \par}
8815 \renewcommand\left@footnoterule{%
8816   \kern-\p@
8817   \hrule \@width .4\columnwidth
8818   \kern .6\p@}
8819 \renewcommand\right@footnoterule{%
8820   \kern-\p@
8821   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8822   \kern .6\p@}

```

## 55 File extrafootnotefeatures-xetex-bidi.def

```

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

```





```

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

```



```

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

```



```

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

```



```

8988 }
8989 \setSingleSpace{1}
8990 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8991 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
8992   \kern-\multiplefootnotemarker
8993   \kern\multiplefootnotemarker\relax}
8994 \bidi@ensure@newlength{\footmarkwidth}
8995 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8996 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8997 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8998 \bidi@ensure@newcommand{\footfootmark}{%
8999   \ifdim\footmarkwidth < \z@
9000     \llap{\hb@xt@ -\footmarkwidth{%
9001       \hss\normalfont\footscript{\@thefnmark}}}%
9002     \hspace*{-\footmarkwidth}}%
9003   \else
9004     \ifdim\footmarkwidth = \z@
9005       {\normalfont\footscript{\@thefnmark}}%
9006     \else
9007       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
9008     \fi
9009   \fi}
9010 \bidi@ensure@newcommand{\LTRfootfootmark}{%
9011   \ifdim\footmarkwidth < \z@
9012     \llap{\hb@xt@ -\footmarkwidth{%
9013       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
9014     \hspace*{-\footmarkwidth}}%
9015   \else
9016     \ifdim\footmarkwidth = \z@
9017       {\normalfont\LTRfootscript{\@thefnmark}}%
9018     \else
9019       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
9020     \fi
9021   \fi}
9022 \bidi@ensure@newcommand{\RTLfootfootmark}{%
9023   \ifdim\footmarkwidth < \z@
9024     \llap{\hb@xt@ -\footmarkwidth{%
9025       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
9026     \hspace*{-\footmarkwidth}}%
9027   \else
9028     \ifdim\footmarkwidth = \z@
9029       {\normalfont\RTLfootscript{\@thefnmark}}%
9030     \else
9031       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
9032     \fi
9033   \fi}
9034 \footmarkstyle{\textsuperscript{#1}}
9035 \LTRfootmarkstyle{\textsuperscript{#1}}
9036 \RTLfootmarkstyle{\textsuperscript{#1}}
9037 \newcommand*{\bidi@normal@footmarkwidth}{%

```



```

9038 \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
9039 }
9040 \newcommand*{\bidi@star@footmarkwidth}{%
9041 \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
9042 }
9043 \bidi@normal@footmarkwidth
9044 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
9045 \bidi@ensure@newcommand*{\extrafeetins}{%
9046 \setbox\@outputbox \vbox{%
9047 \boxmaxdepth \@maxdepth
9048 \unvbox\@outputbox
9049 \ifvoid\footinsv@r
9050 \ifvoid\footinsv@l
9051 \else
9052 \footstartv@l
9053 \LTRfootgroupv@l
9054 \fi
9055 \else
9056 \footstartv@r
9057 \footgroupv@r
9058 \ifvoid\footinsv@l
9059 \else
9060 \footstart@v@l
9061 \LTRfootgroupv@l
9062 \fi
9063 \fi
9064 \ifvoid\@bidi@copyins@
9065 \else
9066 \vskip \skip\@bidi@copyins@
9067 \color@begingroup
9068 \normalcolor
9069 \unvbox \@bidi@copyins@
9070 \color@endgroup
9071 \fi
9072 \extrafeetinshook}}
9073 \bidi@ensure@newcommand{\extrafeetinshook}{%
9074 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
9075 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
9076 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
9077 \bidi@ensure@newlength{\footinsdim}
9078 \setlength{\footinsdim}{8in} % standard for \dimen\footins
9079 \bidi@ensure@newcommand{\@preamfntext}{%
9080 \interlinepenalty\interfootnotelinepenalty
9081 \floatingpenalty \@MM
9082 \splittopskip=\footnotesep
9083 \splitmaxdepth=\dp\strutbox
9084 \@parboxrestore}
9085 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
9086 \extrafeetminihook}
9087 \bidi@ensure@newcommand{\extrafeetendmini}{%

```



```

9088 \ifvoid\@mpfootinsv@r
9089 \ifvoid\@mpfootinsv@l
9090 \else
9091 \vskip\skip\@mpfootins
9092 \normalcolor
9093 \if@bidi@void\@mpfootins
9094 \footnoterule
9095 \fi
9096 \mp@LTRfootgroupv@l
9097 \fi
9098 \else
9099 \vskip\skip\@mpfootins
9100 \normalcolor
9101 \if@bidi@void\@mpfootins
9102 \footnoterule
9103 \fi
9104 \mp@footgroupv@r
9105 \ifvoid\@mpfootinsv@l
9106 \else
9107 \vskip\skip\@mpfootins
9108 \normalcolor\mp@LTRfootgroupv@l
9109 \fi
9110 \fi
9111 \extrafeetendminihook}
9112 \bidi@ensure@newcommand{\extrafeetendminihook}{\}
9113 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
9114 \def\endminipage{%
9115 \par
9116 \unskip
9117 \ifvoid\@mpfootins
9118 \global\@bidi@void\@mpfootinstrue
9119 \else
9120 \global\@bidi@void\@mpfootinsfalse
9121 \vskip\skip\@mpfootins
9122 \normalcolor
9123 \footnoterule
9124 \unvbox\@mpfootins
9125 \fi
9126 \m@mdoextrafeetendmini
9127 \@minipagefalse
9128 \color@endgroup
9129 \egroup
9130 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
9131 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
9132 \namedef{\footstart#1}{%
9133 \bidi@mopfn@bottom
9134 \leftskip=\z@
9135 \rightskip=\z@
9136 \parindent=\z@
9137 \vskip\skip\footins

```



```

9138 \footnoterule}}
9139 \newinsert\footinsv@r
9140 \skip\footinsv@r\bigskipamount
9141 \count\footinsv@r=1000 % no magnification
9142 \dimen\footinsv@r=\footinsdim
9143 \m@make@footstart{v@r}
9144 \newinsert\footinsv@l
9145 \skip\footinsv@l\bigskipamount
9146 \bidi@ensure@newcommand{\@footgroupv@r}{}
9147 \newinsert\@mpfootinsv@r
9148 \newinsert\@mpfootinsv@l
9149 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
9150 \newcount\m@m@k \newdimen\m@m@h
9151 \@ifpackageloaded{multicol}{%
9152 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9153 \hsize\textwidth
9154 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9155 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
9156 }{%
9157 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9158 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9159 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
9160 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
9161 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
9162 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
9163 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
9164 \setbox2 \vsplit0 to \dimen0
9165 \unvbox2 }
9166 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
9167 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9168 \@bidi@before@Hy@hyperfootnotes
9169 \let\@footnotetext\@twocolfootnotetext
9170 \let\@LTRfootnotetext\@twocolLTRfootnotetext
9171 \let\@RTLfootnotetext\@twocolRTLfootnotetext
9172 \dimen\footinsv@r=2\footinsdim
9173 \count\footinsv@r=500\relax
9174 \m@make@twocol@footgroup{v@r}%
9175 \let\@footgroupv@r\@twocol@footgroupv@r
9176 \let\@mpfootnotetext\@mptwocolfootnotetext
9177 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
9178 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
9179 \@bidi@after@Hy@hyperfootnotes
9180 \m@make@mptwocol@footgroup{v@r}%
9181 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
9182 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9183 }
9184 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9185 \def\baselinestretch{\m@m@footnote@spacing}%
9186 \reset@font\foottextfont
9187 \@preamfntext

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

9538 \tolerance=5000\relax
9539 \leavevmode}
9540 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9541 \@preamfivefmt
9542 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9543 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9544 \@preamfivefmt
9545 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9546 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9547 \@preamfivefmt
9548 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9549 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9550 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9551 \unvbox\@mpfootinsv@r
9552 \def\baselinestretch{\m@m@footnote@spacing}%
9553 \reset@font\foottextfont
9554 \hsize\columnwidth \@parboxrestore
9555 \protected@edef\@currentlabel{%
9556 \csname p@mpfootnote\endcsname\@thefnmark}%
9557 \color@begingroup
9558 \@fivecolfootfmt{#1}%
9559 \color@endgroup}%
9560 \m@m@mmf@prepare}
9561 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9562 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9563 \unvbox\@mpfootinsv@r
9564 \def\baselinestretch{\m@m@footnote@spacing}%
9565 \reset@font\LTRfoottextfont
9566 \hsize\columnwidth \@parboxrestore
9567 \if@RTLcolumnfootnotes\beginL\fi
9568 \protected@edef\@currentlabel{%
9569 \csname p@mpfootnote\endcsname\@thefnmark}%
9570 \color@begingroup
9571 \@fivecolLTRfootfmt{#1}%
9572 \color@endgroup}%
9573 \m@m@mmf@prepare}
9574 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9575 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9576 \unvbox\@mpfootinsv@r
9577 \def\baselinestretch{\m@m@footnote@spacing}%
9578 \reset@font\RTLfoottextfont
9579 \hsize\columnwidth \@parboxrestore
9580 \protected@edef\@currentlabel{%
9581 \csname p@mpfootnote\endcsname\@thefnmark}%
9582 \color@begingroup
9583 \@fivecolRTLfootfmt{#1}%
9584 \color@endgroup}%
9585 \m@m@mmf@prepare}
9586 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9587 \@namedef{\@fivecol@footgroup#1}{%

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

10138 \def\baselinestretch{\m@m@footnote@spacing}%
10139 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10140 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
10141 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10142   \setbox0=\vbox{\unvbox#1%
10143     \global\setbox1=\lastbox}%
10144   \unhbox1
10145   \unskip
10146   \unskip
10147   \unpenalty
10148   \hskip\m@mipn@skip}
10149 \bidi@ensure@newcommand{\m@mungebox}{%
10150   \setbox0=\hbox{\m@munvxh0}%
10151   \dp0=\z@
10152   \ht0=\footfudgefactor\wd0
10153   \box0
10154   \penalty0}
10155 \newskip\m@mipn@skip
10156 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
10157   {\foottextfont\global\m@mipn@skip=#1\relax}}
10158 \m@minterparanoteglue{1em plus.4em minus.4em}
10159 \@ifpackageloaded{multicol}{%
10160 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10161   \hsize\textwidth%
10162   \setbox0=\hbox{}%
10163   \loop
10164     \unpenalty
10165     \setbox2=\lastbox
10166     \ifhbox2
10167       \setbox0=\hbox{\box2\unhbox0}
10168     \repeat}%
10169 }{%
10170 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10171   \setbox0=\hbox{}%
10172   \loop
10173     \unpenalty
10174     \setbox2=\lastbox
10175     \ifhbox2
10176       \setbox0=\hbox{\box2\unhbox0}
10177     \repeat}}
10178 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10179   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10180 \newcommand*{\AddExtraParaSkip}[1]{%
10181   \if@bidi@csdef{footfudgefactor}{%
10182     \PackageError{bidi}{%
10183       The control sequence ``\string\AddExtraParaSkip``
10184       must be used before the control sequence
10185       ``\string\paragraphfootnotes`` in the preamble%
10186     }\@ehc
10187   }{%

```



```

10188 \def\bidixparaskip{\advance\@tempdima#1\relax}%
10189 }%
10190 }
10191 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10192 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10193 \@bidi@before@Hy@hyperfootnotes
10194 \let\@footnotetext\@parafootnotetext
10195 \let\@LTRfootnotetext\@paraLTRfootnotetext
10196 \let\@RTLfootnotetext\@paraRTLfootnotetext
10197 \dimen\footinsv@r=\footinsdim
10198 \count\footinsv@r=1000\relax
10199 \m@make@para@footgroup{v@r}%
10200 \m@make@para@footstart{v@r}%
10201 \let\@footgroupv@r\@para@footgroupv@r
10202 \let\@footstartv@r\@para@footstartv@r
10203 \dimen\footinsv@l=\footinsdim
10204 \count\footinsv@l=1000\relax
10205 \bidi@make@para@LTRfootgroup{v@l}%
10206 \m@make@para@footstart{v@l}%
10207 \bidi@make@para@footstart@@{v@l}%
10208 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10209 \let\@footstartv@l\@para@footstartv@l
10210 \let\@@footstart@@v@l\@@para@footstart@@v@l
10211 \let\@mpfootnotetext\@mpparafootnotetext
10212 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10213 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10214 \@bidi@after@Hy@hyperfootnotes
10215 \m@make@mppara@footgroup{v@r}%
10216 \bidi@make@mppara@LTRfootgroup{v@l}%
10217 \let\mp@footgroupv@r\@mppara@footgroupv@r
10218 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10219 \begingroup
10220 \def\baselinestretch{\m@f@footnote@spacing}%
10221 \foottextfont
10222 \@tempdima\footnotesep
10223 \advance\@tempdima -\ht\strutbox
10224 \ifdim\@tempdima<z@ \@tempdima\z@ \fi
10225 \advance\@tempdima.5\normalbaselineskip
10226 \bidi@xparaskip
10227 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10228 \ifdim\skip\footinsv@r>\bigskipamount
10229 \else
10230 \global\advance\skip\footinsv@r\bidi@paraskip
10231 \fi
10232 \ifdim\skip\footinsv@l>\bigskipamount
10233 \else
10234 \global\advance\skip\footinsv@l\bidi@paraskip
10235 \fi
10236 \@tempdima\normalbaselineskip
10237 \multiply \@tempdima \@cclvi

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

10538 \m@mndoextrafeet
10539 \m@m@makecoltext
10540 \global \maxdepth \@maxdepth}
10541 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10542 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10543 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10544 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10545 \FeetAboveFloat
10546 \FeetBelowRagged

```

## 56 File extreport-xetex-bidi.def

```

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

```



```

10585 \fi
10586 \interlinepenalty\@M
10587 \Huge \bfseries #1\par\nobreak
10588 \vskip 40\p@
10589 }}
10590 \def\@makeschapterhead#1{%
10591 \vspace*{50\p@}%
10592 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10593 \normalfont
10594 \interlinepenalty\@M
10595 \Huge \bfseries #1\par\nobreak
10596 \vskip 40\p@
10597 }}
10598 \renewcommand\left@footnoterule{%
10599 \kern-3\p@
10600 \hrule\@width.4\columnwidth
10601 \kern2.6\p@}
10602 \renewcommand\right@footnoterule{%
10603 \kern-3\p@
10604 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10605 \kern2.6\p@}
10606 \renewenvironment{thebibliography}[1]
10607 {\chapter*{\bibname
10608 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10609 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10610 \bidi@thebibliography@font@hook%
10611 \list{\@biblabel{\@arabic\c@enumiv}}%
10612 {\settowidth\labelwidth{\@biblabel{#1}}%
10613 \leftmargin\labelwidth
10614 \advance\leftmargin\labelsep
10615 \@openbib@code
10616 \usecounter{enumiv}%
10617 \let\p@enumiv\@empty
10618 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10619 \sloppy\clubpenalty4000\widowpenalty4000%
10620 \sfcode`.\@m}
10621 {\def\@noitemerr
10622 {\@latex@warning{Empty `thebibliography' environment}}%
10623 \endlist}
10624 \if@titlepage
10625 \renewcommand\maketitle{\begin{titlepage}%
10626 \let\footnotesize\small
10627 \let\right@footnoterule\relax
10628 \let\left@footnoterule\relax
10629 \let\textwidth\footnoterule\relax
10630 \let\footnote\thanks
10631 \null\vfil
10632 \vskip 60\p@
10633 \begin{center}%
10634 {\LARGE \@title \par}%

```



```

10635 \vskip 3em%
10636 {\large
10637 \lineskip .75em%
10638 \begin{tabular}[t]{c}%
10639 \@author
10640 \end{tabular}\par}%
10641 \vskip 1.5em%
10642 {\large \@date \par}% % Set date in \large size.
10643 \end{center}\par
10644 \@thanks
10645 \vfil\null
10646 \end{titlepage}%
10647 \setcounter{footnote}{0}%
10648 \global\let\thanks\relax
10649 \global\let\maketitle\relax
10650 \global\let\@thanks\@empty
10651 \global\let\@author\@empty
10652 \global\let\@date\@empty
10653 \global\let\@title\@empty
10654 \global\let\title\relax
10655 \global\let\author\relax
10656 \global\let\date\relax
10657 \global\let\and\relax
10658 }
10659 \else
10660 \renewcommand\maketitle{\par
10661 \begingroup
10662 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10663 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10664 \long\def\@makefntext##1{\parindent 1em\noindent
10665 \hb@xt@1.8em{%
10666 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10667 \if@twocolumn
10668 \ifnum \col@number=\@ne
10669 \@maketitle
10670 \else
10671 \twocolumn[\@maketitle]%
10672 \fi
10673 \else
10674 \newpage
10675 \global\@topnum\z@ % Prevents figures from going at top of page.
10676 \@maketitle
10677 \fi
10678 \thispagestyle{plain}\@thanks
10679 \endgroup
10680 \setcounter{footnote}{0}%
10681 \global\let\thanks\relax
10682 \global\let\maketitle\relax
10683 \global\let\@maketitle\relax
10684 \global\let\@thanks\@empty

```



```

10685 \global\let\@author\@empty
10686 \global\let\@date\@empty
10687 \global\let\@title\@empty
10688 \global\let\title\relax
10689 \global\let\author\relax
10690 \global\let\date\relax
10691 \global\let\and\relax
10692 }
10693 \def\@maketitle{%
10694   \newpage
10695   \null
10696   \vskip 2em%
10697   \begin{center}%
10698     \let \footnote \thanks
10699     {\LARGE \@title \par}%
10700     \vskip 1.5em%
10701     {\large
10702       \lineskip .5em%
10703       \begin{tabular}[t]{c}%
10704         \@author
10705       \end{tabular}\par}%
10706     \vskip 1em%
10707     {\large \@date}%
10708   \end{center}%
10709   \par
10710   \vskip 1.5em}
10711 \fi
10712 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10713 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10714 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10715 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10716 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10717 \renewcommand\theequation{%
10718   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10719 \renewcommand\thefigure{%
10720   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
10721 \renewcommand\thetable{%
10722   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

## 57 File fancybox-xetex-bidi.def

```

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

```



```

10732 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
10733 \advance\@tempdimb-2\p@
10734 \ifdim\@tempdimb>\the@cornersize\relax
10735   \@tempdimb=\the@cornersize
10736 \fi
10737 \@getcirc\@tempdimb
10738 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10739 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10740 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10741 \@circlefnt
10742 \setbox\@tempboxa\hbox{\beginL%
10743   \if@ovr \@ovvert32\kern -\@tempdima \fi
10744   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10745   \if@ovt \@ovhorz \kern -\@ovxx \fi
10746   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10747 \advance\@ovdx\@ovro
10748 \advance\@ovdy\@ovro
10749 \advance\@ovxx\@wholewidth
10750 \wd\@tempboxa=\@ovxx
10751 \dp\@tempboxa=\z@}

```

## 58 File fancyhdr-xetex-bidi.def

```

10752 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10753
10754 \let\f@nch@everypar\everypar
10755
10756 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10757   \f@nch@vbox\headheight{\hbox
10758     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10759     \parbox[b]{\headwidth}{\centering#3}\hfill
10760     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10761
10762 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10763   \f@nch@vbox\footskip{\footrule
10764     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10765     \parbox[t]{\headwidth}{\centering#3}\hfill
10766     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\footrule}}#5}
10767

```

## 59 File fix2col-xetex-bidi.def

```

10768 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10769 \def\RTL@outputdblcol{%
10770   \if@firstcolumn
10771     \global\@firstcolumnfalse
10772     \global\setbox\@leftcolumn\copy\@outputbox
10773     \splitmaxdepth\maxdimen
10774     \vbadness\maxdimen
10775     \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

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

```





```

10826 \hb@xt@\textwidth{%
10827 \hb@xt@\columnwidth{%
10828 \bidi@firstcolumn@status@write%
10829 \box\@leftcolumn \hss}%
10830 \hfil
10831 \vrule \@width\columnseprule
10832 \hfil
10833 \hb@xt@\columnwidth{%
10834 \bidi@lastcolumn@status@write%
10835 \box\@outputbox \hss}}}%
10836 \@combinedblfloats
10837 \setmarks
10838 \outputpage
10839 \begingroup
10840 \dblfloatplacement
10841 \startdblcolumn
10842 \@whiles\if@fcolmade \fi{\@outputpage\startdblcolumn}%
10843 \endgroup
10844 \fi}

```

## 60 File fleqn-xetex-bidi.def

```

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

```



```

10873     \endL\egroup
10874     \endtrivlist}

```

## 61 File float-xetex-bidi.def

```

10875 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10876 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10877 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10878 \else\hbox to\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}\fi}
10879 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10880 \expandafter\edef\csname the#1\endcsname{%
10881 \expandafter\noexpand\csname
10882 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10883 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

## 62 File floatrow-xetex-bidi.def

```

10884 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
10885 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
10886 \expandafter\edef\csname the\FB@capttype\endcsname{%
10887 \expandafter\noexpand\csname
10888 the#1\endcsname\@SepMark\noexpand\arabic{FB@capttype}}}

```

## 63 File flowfram-xetex-bidi.def

```

10889 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package
10890 \def\@outputdblcol{%
10891 \@nxtcol=\c@thisframe
10892 \c@curpg=\c@page
10893 \@g@tnextcol{\@nxtcol}%
10894 \ifff@nwpg % next flow frame starts on new page
10895 \global\@firstcolumntrue
10896 \@setcolbox\c@thisframe
10897 \if@specialpage
10898 \global\@specialpagefalse
10899 \@nameuse{ps@\@specialstyle}\relax
10900 \fi
10901 \if@twoside
10902 \ifodd\count\z@
10903 \let\@thehead\@oddhead
10904 \let\@thefoot\@oddfoot
10905 \else
10906 \let\@thehead\@evenhead
10907 \let\@thefoot\@evenfoot
10908 \fi
10909 \else
10910 \let\@thehead\@oddhead
10911 \let\@thefoot\@oddfoot
10912 \fi
10913 \@begindvi

```



```

10914 \@dodynamicthehead\@dodynamicthefoot
10915 \vbadness=\@M
10916 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10917 \@combinedblfloats
10918 \@outputpage
10919 \advance\c@curpg by -\c@page\relax
10920 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10921 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10922 \@outputpage}
10923 \begingroup
10924 \@dblfloatplacement
10925 \@startdblcolumn
10926 \@whilesw \if@colmade \fi
10927 {\@outputpage \@startdblcolumn }\endgroup
10928 \@resetst@tics
10929 \@resetdyn@tics
10930 \else % still on same page, save contents of box255
10931 \global\@firstcolumnfalse
10932 \setcolbox\c@thisframe
10933 \fi
10934 \global\c@thisframe=\@nxtcol
10935 \setcol{\c@thisframe}\relax
10936 \global\@colht\vsiz
10937 }
10938 \def\@outputpage{%
10939 \begingroup
10940 \let\protect\noexpand
10941 \@resetactivechars
10942 \global\let\@@if@newlist\if@newlist
10943 \global\@newlistfalse\@parboxrestore
10944 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
10945 \bidi@beforeoutputpageshipouthook
10946 \shipout\vbox{\set@typeset@protect
10947 \aftergroup
10948 \endgroup
10949 \aftergroup
10950 \set@typeset@protect
10951 \reset@font\normalsize
10952 \bidi@font\@outputpage
10953 \normalsfcodes
10954 \let\label\@gobble
10955 \let\index\@gobble
10956 \let\glossary\@gobble
10957 \baselineskip\z@skip
10958 \lineskip\z@skip
10959 \lineskiplimit\z@
10960 \vskip\topmargin\moveright\@themargin
10961 \vbox{%
10962 \global\let\@bidi@BeforeHeader\@firstofone
10963 \bidi@beforeheaderhook

```



```

10964 \vskip\headheight
10965 \vskip\headsep
10966 \global\let\bidibeforeOutputBoxOutputPage\@firstofone
10967 \bidibeforeoutputboxoutputpagehook
10968 \box\@outputbox
10969 \global\let\bidiafterOutputBoxOutputPage\@firstofone
10970 \bidiafteroutputboxoutputpagehook
10971 }}%
10972 \global\let\bidiafterOutputPageShipOut\@firstofone
10973 \bidiafteroutputpageshipouthook
10974 \global\let\ifnewlist\@ifnewlist
10975 \stepcounter{page}%
10976 \setcounter{displayedframe}{0}%
10977 \let\firstmark\botmark
10978 \global\let\bidiatendOutputPage\@firstofone
10979 \bidiatendoutputpagehook
10980 }
10981
10982
10983 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
10984 \expandafter\bidicolor\ff@txtcol}}
10985
10986 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
10987 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}%
10988
10989
10990 \renewcommand*\@docolbox}[1]{%
10991 \edef\ff@frametype{%
10992 \csname @ff@frametype@\romannumeral#1\endcsname}%
10993 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10994 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10995 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10996 \@ff@setoffset{#1}%
10997 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10998 \ifthenelse{\boolean{columnframe}\romannumeral#1}}{%
10999 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
11000 {\csname colheight\romannumeral#1\endcsname}}{%
11001 \expandafter\box\csname column\romannumeral#1\endcsname}{%
11002 \csname\ff@frametype\endcsname}%
11003 }{%
11004 \bidiff@box{\csname colwidth\romannumeral#1\endcsname}%
11005 {\csname colheight\romannumeral#1\endcsname}}{%
11006 \expandafter\box\csname column\romannumeral#1\endcsname}%
11007 }}}
11008 \ifclassloaded{book}{%
11009 \renewcommand\theequation
11010 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11011 \renewcommand \thefigure
11012 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11013 \renewcommand \thetable

```



```

11014      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11015 \renewcommand \thechapter {\@arabic\c@chapter}
11016 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11017 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11018 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11019 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
11020 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}}{}
11021 \@ifclassloaded{report}{%
11022 \renewcommand \theequation
11023   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11024 \renewcommand \thefigure
11025   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11026 \renewcommand \thetable
11027   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11028 \renewcommand \thechapter {\@arabic\c@chapter}
11029 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11030 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11031 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11032 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
11033 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}}{}
11034 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11035 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
11036 \else
11037 #2\relax
11038 \fi}

```

## 64 File footnote-xetex-bidi.def

```

11039 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11040 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11041 \newif\ifbidi@autofooterule
11042 \def\bidi@mpfootnoterule{\footnoterule}
11043 \newcounter{footdir@label}
11044 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
11045 \newcommand*{\footdir@write}{%
11046   \stepcounter{footdir@label}%
11047   \zref@labelbyprops{\thefootdir@label}{abspage}%
11048 }
11049 \newif\iffootdir@debug
11050 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11051 \newtoks\footdir@toks
11052 \newcommand*{\footdir@debug}[1]{%
11053   \iffootdir@debug
11054     \typeout{[footdir] #1}%
11055   \fi
11056 }
11057 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11058 %  \newcommand*{\footdir@LeftRightElse}{%
11059 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
11060 %      \footdir@debug{abspage \the\value{zabspage}: else}%

```



```

11061 %      \ltx@thirdofthree
11062 %    }{%
11063 %      \if\csname footdir@\the\value{zabspage}\endcsname L%
11064 %        \footdir@debug{abspage \the\value{zabspage}: left}%
11065 %        \expandafter\ltx@firstofthree
11066 %      \else
11067 %        \footdir@debug{abspage \the\value{zabspage}: right}%
11068 %        \expandafter\ltx@secondofthree
11069 %      \fi
11070 %    }%
11071 %  }%
11072 %}{%
11073 \providecommand*{\c@zabspage}{\c@abspage}%
11074 \newcommand*{\footdir@LeftRightElse}{%
11075   \footdir@write
11076   \zifrefundefined{\thefootdir@label}{%
11077     \footdir@debug{abspage ??: else}%
11078     \ltx@thirdofthree
11079   }{%
11080     \edef\footdir@abspage{%
11081       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11082     }%
11083     \ltx@ifundefined{footdir@\footdir@abspage}{%
11084       \footdir@debug{\footdir@abspage: else}%
11085       \ltx@thirdofthree
11086     }{%
11087       \if\csname footdir@\footdir@abspage\endcsname L%
11088         \footdir@debug{\footdir@abspage: left}%
11089         \expandafter\ltx@firstofthree
11090       \else
11091         \footdir@debug{\footdir@abspage: right}%
11092         \expandafter\ltx@secondofthree
11093       \fi
11094     }%
11095   }%
11096 }%
11097 %}
11098 \newcommand*{\footdir@fntext}[1]{%
11099   \zifrefundefined{\thefootdir@label}{%
11100     }{%
11101       \edef\footdir@name{%
11102         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11103       }%
11104       \@ifundefined{footdir@name}{%
11105         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11106       }{%
11107         }%
11108     }%
11109   }%
11110 \newcommand*{\footdir@temp}[3]{%

```



```

11111 \@ifdefinable{#1}{%
11112   \let#1#2%
11113   \renewcommand{#2}[1]{%
11114     \footdir@write
11115     \footdir@fntext{#3}%
11116     \stepcounter{footdir@label}%
11117     \footdir@fntext{#3}%
11118     \footdir@toks{##1}%
11119     \footdir@toks\expandafter{%
11120       \the\expandafter\footdir@toks
11121       \expandafter
11122       \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
11123     }%
11124     \expandafter#1\expandafter{\the\footdir@toks}%
11125   }%
11126 }%
11127 }
11128
11129 \def\right@footnoterule{%
11130   \kern-3\p@
11131   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11132   \kern2.6\p@}
11133 \def\left@footnoterule{\kern-3\p@
11134   \hrule \@width .4\columnwidth \kern 2.6\p@}
11135 \def\textwidth@footnoterule{\kern-3\p@
11136   \hrule \@width \columnwidth \kern 2.6\p@}
11137 \def\leftfootnoterule{%
11138   \bidi@autofootnoterulefalse%
11139   \def\footnoterule{\left@footnoterule}}
11140 \let\LRfootnoterule=\leftfootnoterule
11141 \def\rightfootnoterule{%
11142   \bidi@autofootnoterulefalse%
11143   \def\footnoterule{\right@footnoterule}}
11144 \def\textwidthfootnoterule{%
11145   \bidi@autofootnoterulefalse%
11146   \def\footnoterule{\textwidth@footnoterule}}
11147
11148
11149
11150 \def\auto@footnoterule{%
11151   \footdir@LeftRightElse%
11152   \left@footnoterule%
11153   \right@footnoterule%
11154   \left@footnoterule%
11155 }
11156
11157
11158
11159 \def\autofootnoterule{%
11160   \bidi@autofootnoteruletrue%

```



```

11161 \def\footnoterule{\auto@footnoterule}%
11162 }
11163
11164 \newcommand*{\SplitFootnoteRule}{%
11165   \gdef\split@prev{0}
11166   \let\pagefootnoterule\footnoterule
11167   \let\mpfootnoterule\footnoterule
11168   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11169   \def\footnoterule{\relax
11170     \ifx \@listdepth\@mplistdepth
11171       \mpfootnoterule
11172     \else
11173       \ifnum\split@prev=\z@
11174         \pagefootnoterule
11175       \else
11176         \splitfootnoterule
11177       \fi
11178       \xdef\split@prev{\the\insertpenalties}%
11179     \fi
11180   }%
11181 }
11182
11183
11184
11185
11186 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11187   \protected@xdef\@thefnmark{\thempfn}%
11188   \@footnotemark\@RTLfootnotetext}}
11189 \def\@xRTLfootnote[#1]{%
11190   \begingroup
11191     \csname c@\@mpfn\endcsname #1\relax
11192     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11193   \endgroup
11194   \@footnotemark\@RTLfootnotetext}
11195 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11196   \protected@xdef\@thefnmark{\thempfn}%
11197   \@footnotemark\@LTRfootnotetext}}
11198 \def\@xLTRfootnote[#1]{%
11199   \begingroup
11200     \csname c@\@mpfn\endcsname #1\relax
11201     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11202   \endgroup
11203   \@footnotemark\@LTRfootnotetext}
11204
11205
11206 \def\setfootnoteRL{\@RTL@footnotetrue}
11207 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11208 \def\setfootnoteLR{\unsetfootnoteRL}
11209
11210 \newcommand*{\bidi@footnotetext@font}{\footnotesize}

```





```

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

```



```

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

```



```

11311 \protected@edef\@currentlabel
11312 {\csname p@mpfootnote\endcsname\@thefnmark}%
11313 \color@begingroup
11314 \makefnmark{%
11315 \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11316 \color@endgroup}}
11317 \def\@iiiminipage#1#2[#3]#4{%
11318 \leavevmode
11319 \@pboxswfalse
11320 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11321 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11322 \setlength\@tempdima{#4}%
11323 \def\@mpargs{#{1}{#2}[#3]{#4}}%
11324 \setbox\@tempboxa\vbox\bgroup
11325 \color@begingroup
11326 \hsize\@tempdima
11327 \textwidth\hsize \columnwidth\hsize
11328 \@parboxrestore
11329 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11330 \let\@footnotetext\@mpfootnotetext
11331 \let\@LTRfootnotetext\@mpLTRfootnotetext
11332 \let\@RTLfootnotetext\@mpRTLfootnotetext
11333 \let\@listdepth\@mplistdepth \@mplistdepth\z@
11334 \@minipagerestore
11335 \@setminipage}
11336 \def\endminipage{%
11337 \par
11338 \unskip
11339 \ifvoid\@mpfootins\else
11340 \vskip\skip\@mpfootins
11341 \normalcolor
11342 \bidi@mpfootnoterule
11343 \unvbox\@mpfootins
11344 \fi
11345 \@minipagefalse %% added 24 May 89
11346 \color@endgroup
11347 \egroup
11348 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11349 \def\LTRthanks#1{\footnotemark
11350 \protected@xdef\@thanks{\@thanks
11351 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11352 }
11353 \def\LTRfootnotetext{%
11354 \@ifnextchar [\@xLTRfootnotenext
11355 {\protected@xdef\@thefnmark{\thempfn}%
11356 \@LTRfootnotetext}}
11357 \def\@xLTRfootnotenext[#1]{%
11358 \begingroup
11359 \csname c@\@mpfn\endcsname #1\relax
11360 \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

11361 \endgroup
11362 \@LTRfootnotetext}
11363 \def\RTLthanks#1{\footnotemark
11364     \protected@xdef\@thanks{\@thanks
11365         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11366 }
11367 \let\@thanks\@empty
11368 \def\RTLfootnotetext{%
11369     \ifnextchar [\@xRTLfootnotenext
11370         {\protected@xdef\@thefnmark{\thempfn}%
11371         \@RTLfootnotetext}}
11372 \def\@xRTLfootnotenext[#1]{%
11373     \begingroup
11374         \csname c@\@mpfn\endcsname #1\relax
11375         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11376     \endgroup
11377     \@RTLfootnotetext}
11378 \leftfootnoterule

```

## 65 File framed-xetex-bidi.def

```

11379 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for ]
11380 \renewcommand\TitleBarFrame[3][\begingroup
11381     \ifx\delimiter#1\delimiter
11382         \let\TF@conlab\@empty
11383     \else
11384         \def\TF@conlab{% continuation label
11385             \nointerlineskip
11386             \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
11387     \fi
11388     \let\TF@savecolor\current@color
11389     \textcolor{TFFrameColor}{%
11390     \CustomFBox
11391         {\TF@Title{#2}}{\TF@conlab}%
11392         \fboxrule\fboxrule\fboxrule\fboxrule
11393         %{\let\current@color\TF@savecolor\set@color #3}%
11394         {\normalcolor #3}%
11395     }\endgroup
11396 }
11397 \renewenvironment{titled-frame}[1]{%
11398     \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11399         \TitleBarFrame{\textbf{#1}}}%
11400     \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11401         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11402     \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
11403         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} \ (cont)}%
11404     \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
11405         \TitleBarFrame{\textbf{#1} \ (cont)}}}%
11406     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11407 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title

```



```

11408% could interfere with the width measurement.
11409 {\endMakeFramed}
11410 \chardef\FrameRestore=\catcode`\| % for debug
11411 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11412 \def\fb@put@frame#1#2{\relax
11413   \ifdim\pagegoal=\maxdimen \pagegoal\vsizelimit \fi
11414   \message{===== Entering putframe =====^J
11415   \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11416   \ifinner
11417     \fb@putboxa#1%
11418     \fb@afterframe
11419   \else
11420     \dimen@=\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11421     \ifdim\dimen@<2\baselineskip % Too little room on page
11422       \message{Page has only \the\dimen@space room left; eject. }%
11423       \eject \fb@adjheight \fb@put@frame#1#2%
11424     \else % there's appreciable room left on the page
11425       \fb@sizeofframe#1%
11426       \message{\string\pagetotal=\the\pagetotal,
11427       \string\pagegoal=\the\pagegoal,
11428       \string\pagestretch=\the\pagestretch,
11429       \string\pageshrink=\the\pageshrink,
11430       \string\fb@frh=\the\fb@frh. \space}
11431       \message{^^JBox of size \the\ht\@tempboxa\space}%
11432       \begingroup % temporarily set \dimen@ to be...
11433       \advance\dimen@.8\pageshrink % maximum space available on page
11434       \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11435%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11436       \expandafter\endgroup
11437       % expand \ifdim, then restore \dimen@ to real room left on page
11438       \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11439         \message{fits in \the\dimen@. }%
11440         % ToDo: Change this to use vsplit anyway to capture the marks
11441         % MERGE THIS WITH THE else CLAUSE!!!
11442         \fb@putboxa#1%
11443         \fb@afterframe
11444       \else % box must be split
11445         \message{must be split to fit in \the\dimen@. }%
11446         % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11447         \fb@sizeofframe#2%
11448         \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11449           \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11450           \kern137sp\kern-137sp\penalty-30
11451           \unvbox\@tempboxa}%
11452         \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11453           \splittopskip\the\splittopskip}%
11454         \boxmaxdepth\z@ \splittopskip\z@
11455         \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11456         % Split box here
11457         \setbox\tw@vsplit\@tempboxa to\dimen@

```



```

11458 | \toks99\expandafter{\splitfirstmark}%
11459 | \toks98\expandafter{\splitbotmark}%
11460 | \message{Marks are: \the\toks99, \the\toks98. }%
11461 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11462 | \message{Natural height of split box is \the\ht\tw@, leaving
11463 | \the\ht\@tempboxa\space remainder. }%
11464 | % If the split-to size > (\vsize-\topskip), then set box to full size.
11465 | \begingroup
11466 | \advance\dimen@ \topskip
11467 | \expandafter\endgroup
11468 | \ifdim\dimen@>\pagegoal
11469 | \message{Frame is big -- Use up the full column. }%
11470 | \dimen@ii\pagegoal
11471 | \advance\dimen@ii -\topskip
11472 | \advance\dimen@ii \FrameHeightAdjust\relax
11473 | \else % suspect this is implemented incorrectly:
11474 | % If the split-to size > feasible room_on_page, rebox it smaller.
11475 | \advance\dimen@.8\pageshrink
11476 | \ifdim\ht\tw@>\dimen@
11477 | \message{Box too tall; rebox it to \the\dimen@. }%
11478 | \dimen@ii\dimen@
11479 | \else % use natural size
11480 | \dimen@ii\ht\tw@
11481 | \fi
11482 | \fi
11483 | % Re-box contents to desired size \dimen@ii
11484 | \advance\dimen@ii -\fb@frh
11485 | \setbox\tw@\vbox to\dimen@ii \bgroup
11486 | % remove simulated frame and page flexibility:
11487 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11488 | \unvbox\tw@ \unpenalty\unpenalty
11489 | \ifdim\lastkern=-137sp % whole box went to next page
11490 | \message{box split at beginning! }%
11491 | % need work here???
11492 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11493 | \fb@adjheight
11494 | \fb@put@frame#1#2% INSERTED ???
11495 | \else % Got material split off at the head
11496 | \egroup \fb@resto@set
11497 | \ifvoid\@tempboxa % it all fit after all
11498 | \message{box split at end! }%
11499 | \setbox\@tempboxa\box\tw@
11500 | \fb@putboxa#1%
11501 | \fb@afterframe
11502 | \else % it really did split
11503 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11504 | \ifdim\wd\tw@>\z@
11505 | \wd\tw@\wd\@tempboxa
11506 | \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11507 | \else

```



```

11508 |          \message{Zero width means likely blank. Don't frame it (guess)}%
11509          \box\tw@
11510          \fi
11511          \hrule \@height\z@ \@width\hsize
11512          \eject
11513          \fb@adjheight
11514          \fb@put@frame\LastFrameCommand\MidFrameCommand
11515 \fi\fi\fi\fi\fi
11516 }
11517 \def\fb@putboxa#1{%
11518 \ifvoid\@tempboxa
11519 \PackageWarning{framed}{Boxa is void -- discard it. }%
11520 \else
11521 | \message{Frame and place boxa. }%
11522 | %{\showoutput\showbox\@tempboxa}%
11523 \centerline{#1{\hboxL{\box\@tempboxa}}}%
11524 \fi
11525 }
11526 \catcode`\|=\FrameRestore
11527 \def\FrameRestore{%
11528 \let\if@nobreak\iffalse
11529 \let\if@noskipsec\iffalse
11530 \let\-\@dischyp
11531 \let'\@acci\let'\@accii\let\=\@acciii
11532 % \message{FrameRestore:
11533 %   \@totalleftmargin=\the \@totalleftmargin,
11534 %   \rightmargin=\the\rightmargin,
11535 %   \@listdepth=\the\@listdepth. }%
11536 % Test if we are in a list (or list-like paragraph)
11537 \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11538 \ifdim\rightmargin>\z@ 1\fi
11539 \ifnum\@listdepth>\z@ 1\fi 0>\z@
11540 %   \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11541 %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11542 %   \labelwidth=\the\labelwidth. }%
11543 \@setminipage % snug fit around the item
11544 % Now try to propagate changes of width from \hsize to list parameters.
11545 % This is deficient, but a more advanced way to indicate modification to text
11546 % dimensions is not (yet) provided; in particular, no separate left/right
11547 % adjustment.
11548 \advance\linewidth-\columnwidth \advance\linewidth\hsize
11549 \parshape\@ne \@totalleftmargin \linewidth
11550 \else % Not in list
11551 \linewidth=\hsize
11552 %\message{No list, set \string\linewidth=\the\hsize. }%
11553 \fi
11554 \sloppy
11555 }

```



## 66 File ftnright-xetex-bidi.def

```

11556 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
11557
11558 \def\prepare@bidi@copyins{%
11559   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
11560   \global\skip\@bidi@copyins@\z@
11561   \global\count\@bidi@copyins@\z@
11562   \global\dimen\@bidi@copyins@\textheight}
11563
11564 \newskip\bidi@rcol@copyinsskip
11565
11566 \def\LTR@outputdblcol{%
11567   \if@firstcolumn
11568     \global\@firstcolumnfalse
11569     \global\setbox\@leftcolumn\copy\@outputbox
11570     \global\count\footins\@m
11571     \global\skip\footins\rcol@footinsskip
11572     \global\count\@bidi@copyins@\@m
11573     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
11574     \splitmaxdepth\maxdimen
11575     \vbadness\maxdimen
11576     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11577     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11578     \toks@ \expandafter{\topmark}%
11579     \xdef\@firstcoltopmark{\the\toks@}%
11580     \toks@ \expandafter{\splitfirstmark}%
11581     \xdef\@firstcolfirstmark{\the\toks@}%
11582     \ifx\@firstcolfirstmark\@empty
11583       \global\let\@setmarks\relax
11584     \else
11585       \gdef\@setmarks{%
11586         \let\firstmark\@firstcolfirstmark
11587         \let\topmark\@firstcoltopmark}%
11588     \fi
11589   \else
11590     \preparefootins
11591     \prepare@bidi@copyins
11592     \global\@firstcolumntrue
11593     \setbox\@outputbox\vbox{%
11594       \hb@xt@\textwidth{%
11595         \hb@xt@\columnwidth{%
11596           \bidi@firstcolumn@status@write%
11597           \box\@leftcolumn \hss}%
11598         \hfil
11599         {\normalcolor\vrule \@width\columnseprule}%
11600         \hfil
11601         \hb@xt@\columnwidth{%
11602           \bidi@lastcolumn@status@write%
11603           \box\@outputbox \hss}}}%

```





```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

11901 \the\toks@}
11902 \long\def\bidigscale@box@ddd#1#2#3{%
11903 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if
11904 \setlength\@tempdima{#1}%
11905 \setlength\@tempdimb{#2}%
11906 \Gscale@div\@tempa\@tempdima\@tempdimb
11907 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11908 \@end@tempboxa}
11909 \long\def\bidigscale@box@dddd#1#2#3#4#5{%
11910 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if
11911 \setlength\@tempdima{#1}%
11912 \setlength\@tempdimb{#2}%
11913 \Gscale@div\@tempa\@tempdima\@tempdimb
11914 \setlength\@tempdima{#3}%
11915 \setlength\@tempdimb{#4}%
11916 \Gscale@div\@tempb\@tempdima\@tempdimb
11917 \ifGin@iso
11918 \ifdim\@tempa\p>\@tempb\p@
11919 \let\@tempa\@tempb
11920 \else
11921 \let\@tempb\@tempa
11922 \fi
11923 \fi
11924 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11925 \@end@tempboxa}

```

## 68 File geometry-xetex-bidi.def

```

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

```



```

11948 \ifodd\count\z@
11949 \let\@themargin\oddsidemargin
11950 \else
11951 \let\@themargin\evensidemargin
11952 \fi
11953 }{%
11954 \ifodd\count\z@
11955 \if@RTLmain
11956 \let\@themargin\evensidemargin
11957 \else
11958 \let\@themargin\oddsidemargin
11959 \fi
11960 \else
11961 \if@RTLmain
11962 \let\@themargin\oddsidemargin
11963 \else
11964 \let\@themargin\evensidemargin
11965 \fi
11966 \fi
11967 }{}{}

```

## 69 File hvfloat-xetex-bidi.def

```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

12245 \fi% end of RTL
12246 \fi
12247 \fi
12248 \fi
12249 }% End savebox Object and caption
12250 %
12251 % now we rotate the object and caption, if needed
12252 %
12253 \ifx\hvSet@rotAngle\hv@Zero
12254 \usebox{\@tempboxa}
12255 \else
12256 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12257 \fi
12258 \ifhv@nonFloat
12259 \ifx\hvSet@ObjectPos\hv@Center
12260 \ifhv@nonFloat
12261 \hspace{\fill}
12262 \fi
12263 \fi
12264 \endgroup% End the nonfloat part
12265 \else
12266 \end{\hv@floatType}% End the floating environment
12267 \fi
12268 }

```

## 70 File hyperref-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

12892 \hskip-\wd\pdfm@box
12893 \fi
12894 \unhbox
12895 }{}{}
12896 \bidi@patchcmd\@Reset{%
12897 \@pdfm@mark
12898 }{%
12899 \if@RTL
12900 \null
12901 \hskip\wd\pdfm@box
12902 \fi
12903 \@pdfm@mark
12904 }{}{}
12905 \bidi@patchcmd\@Reset{%
12906 \unhbox
12907 }{%
12908 \if@RTL
12909 \hskip-\wd\pdfm@box
12910 \fi
12911 \unhbox
12912 }{}{}

```

## 71 File `imsproc-xetex-bidi.def`

```

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

```



```

12939 \def\idxitem{\par\hangindent \if@RTL-\fi2em}
12940 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12941 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12942
12943 \def\right@footnoterule{%
12944   \kern-.4\p@
12945   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12946   \kern11\p@\kern-\footnotesep}
12947 \def\left@footnoterule{\kern-.4\p@
12948   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12949 \def\@makefnmark{%
12950   \leavevmode
12951   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12952 }
12953
12954 \def\part{\@startsection{part}{0}%
12955   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
12956   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12957 \def\tocline#1#2#3#4#5#6#7{\relax
12958   \ifnum #1>\c@tocdepth % then omit
12959   \else
12960     \par \addpenalty\@secpenalty\addvspace{#2}%
12961     \begingroup \hyphenpenalty\@M
12962     \@ifempty{#4}{%
12963       \@tempdima\c@tocindent\number#1\endcsname\relax
12964     }{%
12965       \@tempdima#4\relax
12966     }%
12967     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
12968     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12969     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12970     \hfil\hbox to\@pnumwidth{\tocpagenum{#7}}\par
12971     \nobreak
12972   \endgroup
12973   \fi}
12974 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12975 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12976 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12977 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12978 \def\maketitle{\par
12979   \@topnum\z@ % this prevents figures from falling at the top of page 1
12980   \@setcopyright
12981   \thispagestyle{firstpage}% this sets first page specifications
12982   \uppercase\nonmath\shorttitle
12983   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12984   \else \andify\shortauthors
12985   \fi
12986   \@maketitle@hook
12987   \begingroup
12988   \@maketitle

```



```

12989 \toks@{\xp{\shortauthors}}\@temptokena\@xp{\shorttitle}%
12990 \toks4{\def\\{\ \ignorespaces}}% defend against questionable usage
12991 \edef\@tempa{%
12992   \@nx\markboth{\the\toks4
12993     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12994 \@tempa
12995 \endgroup
12996 \c@footnote\z@
12997 \@cleartopmattertags
12998 }

```

## 72 File leqno-xetex-bidi.def

```

12999 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX e
13000 \renewcommand\@eqnnum{\hbxt0.01\p@}%
13001 \rlap{\hskip -\displaywidth
13002   {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

## 73 File letter-xetex-bidi.def

```

13003 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
13004 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
13005   \thispagestyle{firstpage}%
13006   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
13007   \else % home address
13008     \thispagestyle{empty}%
13009     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
13010       \fromaddress \*[2\parskip]%
13011       \@date \end{tabular}\par}%
13012   \fi
13013   \vspace{2\parskip}%
13014   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
13015   \vspace{2\parskip}%
13016   #1\par\nobreak}
13017 \renewcommand\left@footnoterule{%
13018   \kern-\p@
13019   \hrule \@width .4\columnwidth
13020   \kern .6\p@}
13021 \renewcommand\right@footnoterule{%
13022   \kern-\p@
13023   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13024   \kern .6\p@}

```

## 74 File lettrine-xetex-bidi.def

```

13025 \ProvidesFile{lettrine-xetex-bidi.def}[2018/10/01 v0.6 bidi adaptations for lettrine package f
13026 \def\@lettrine[#1]#2#3{%
13027   \def\l@initial{#2}\let\l@refstring\l@initial
13028   \setcounter{L@lines}{\value{DefaultLines}}%
13029   \setcounter{L@depth}{\value{DefaultDepth}}%

```



```

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

```



```

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

```



```

13130 \addtolength{\L@next}{-\L@Nindent}%
13131 \addtolength{\L@Pindent}{\rightmargin}%
13132 \addtolength{\L@Nindent}{\rightmargin}%
13133 \addtocounter{L@lines}{1}%
13134 \addtocounter{L@lines}{\value{L@depth}}%
13135 \if@RTL
13136   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13137 \else
13138   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
13139 \fi
13140 \@tempcnta=\tw@
13141 \@whilenum \@tempcnta<\c@L@lines\do{%
13142   \if@RTL
13143     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
13144   \else
13145     \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
13146   \fi
13147   \addtolength{\L@Nindent}{\L@slope}%
13148   \addtolength{\L@next}{-\L@slope}%
13149   \advance\@tempcnta\@ne}%
13150 \if@RTL
13151   \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
13152 \else
13153   \edef\L@parshape{\L@parshape \rightmargin \the\linewidth}%
13154 \fi
13155 \noindent
13156 \parshape=\L@parshape\relax
13157 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
13158   \hskip \the\L@Findent}}%
13159 \usebox{\L@tbox}%
13160 }

```

## 75 File lineno-xetex-bidi.def

```

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

```





```

13177 \hb@xt@\linenumberwidth{\hss\LineNumber}%
13178 }{%
13179 \if@RTL
13180 \LineNumber
13181 \else
13182 \hb@xt@\linenumberwidth{\hss\LineNumber}%
13183 \fi
13184 }{}{}
13185
13186 \bidi@AfterPreamble{%
13187 \if@RTLmain
13188 \rightlinenumbers*
13189 \else
13190 \leftlinenumbers*
13191 \fi
13192 \@ifpackagewith{lineno}{left}{%
13193 \leftlinenumbers*
13194 }{}
13195 \@ifpackagewith{lineno}{right}{%
13196 \rightlinenumbers*
13197 }{}
13198 }
13199

```

## 76 File listings-xetex-bidi.def

```

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

```



```

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

```



```

13274             \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13275             \addcontentsline{lol}{lstlisting}%
13276                 {\protect\numberline{\thelstlisting}\lst@caption}%
13277 \endgroup%
13278 }{}{}%
13279 }
13280 \@ifpackageloaded{caption}{%
13281   \AtBeginCaption{%
13282     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13283     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13284   }
13285   \let\bidi@lst@makecaption\caption@makecaption%
13286   \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
13287   \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\empty}%
13288 }{}%
13289 \AtBeginDocument{%
13290   \@ifundefined{captionlabelfalse}{%{}%
13291     \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\empty}}%
13292   \@ifundefined{caption@startrue}{%{}%
13293     \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\empty}}%
13294 }{}%
13295 }
13296 \AtBeginDocument{
13297   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
13298   \lst@ifnumberbychapter
13299     \gdef\thelstlisting%
13300       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13301   \else
13302     \gdef\thelstlisting{\@arabic\c@lstlisting}
13303   \fi}

```

## 77 File loadingorder-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

13571 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabs after bidi package}
13572 \fi%
13573 \if@bidi@tabularyloaded@else
13574 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13575 \fi%
13576 \if@bidi@tocbasicloaded@else
13577 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13578 \fi%
13579 \if@bidi@tocstyleloaded@else
13580 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13581 \fi%
13582 \if@bidi@tocbibindloaded@else
13583 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13584 \fi%
13585 \if@bidi@fontspecloaded@else
13586 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13587 \fi%
13588 \if@bidi@arabxetexloaded@else
13589 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13590 \fi%
13591 \if@bidi@polyglossialoaded@else
13592 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
13593 \fi%
13594 \if@bidi@fancyvrbloaded@else
13595 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13596 \fi%
13597 }

```

## 78 File longtable-xetex-bidi.def

```

13598 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13599 \def\LT@array[#1]#2{%
13600 \refstepcounter{table}\stepcounter{LT@tables}%
13601 \if l#1%
13602 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
13603 \else\if r#1%
13604 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13605 \else\if c#1%
13606 \LTleft\fill \LTright\fill
13607 \fi\fi\fi
13608 \let\LT@mcol\multicolumn
13609 \let\LT@@tabarray\@tabarray
13610 \let\LT@ohl\hline
13611 \def\@tabarray{%
13612 \let\hline\LT@ohl
13613 \LT@@tabarray}%
13614 \let\\LT@tabularcr\let\tabularnewline\\
13615 \def\newpage{\noalign{\break}}%
13616 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13617 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{LT@no@pgbk4}%

```



```

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

```



```

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

```



```

13718      {\if@RTLtab\hbox\bgroup\beginR\ vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13719      \fi
13720      \else
13721      \setbox\@cclv\ vbox{\if@RTLtab\hbox\bgroup\beginR\ vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13722      \@makecol
13723      \@outputpage
13724      \global\ vsize\@colroom
13725      \copy\LT@head\nobreak
13726      \fi}

```

## 79 File mathtools-xetex-bidi.def

```

13727 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13728 \MHInternalSyntaxOn
13729 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13730   \@namedef{MT_tagform_#1:n}##1
13731   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i
13732 }
13733 \renewtagform{default}{\{()\}}
13734 \MHInternalSyntaxOff

```

## 80 File mdframed-xetex-bidi.def

```

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

```



```

13762     \@afterindentfalse%
13763     %\@afterheading%
13764 }
13765 \renewrobustcmd\mdfframedtitleenv[1]{%
13766     \mdf@lrbox{\mdf@frametitlebox}%
13767     \mdf@frametitlealignment%
13768     \leavevmode{\color{\mdf@frametitlefontcolor}%
13769         \normalfont\mdf@frametitlefont{#1}
13770     \ifbool{mdf@ignorelastdescenders}%
13771         {%
13772             \par\strut\par
13773             \unskip\unskip\setbox0=\lastbox
13774             \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13775         }{}}%
13776     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
13777     \endmdf@lrbox\relax%
13778     \mdf@ignorevbadness%
13779     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13780     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13781     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13782     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13783     \mdfframetitleboxtotalheight=\dimexpr
13784         \ht\mdf@frametitlebox
13785         +\dp\mdf@frametitlebox%
13786         +\mdf@frametitleaboveskip@length
13787         +\mdf@frametitlebelowskip@length
13788         \relax%
13789 }
13790
13791 \renewrobustcmd*\mdf@footnoteoutput{%
13792     \ifvoid\@mpfootins\else%
13793         \nobreak%
13794         \vskip\mdf@footnotedistance@length%
13795         \normalcolor%
13796         \bidi@mpfootnoterule%
13797         \unvbox\@mpfootins%
13798     \fi%
13799 }
13800
13801
13802 \renewrobustcmd*\mdf@footnoteinput{%
13803     \def\@mpfn{mpfootnote}%
13804     \def\thempfn{\thempfootnote}%
13805     \c@mpfootnote\z@%
13806     \let\@footnotetext\@mpfootnotetext%
13807     \let\@LTRfootnotetext\@mpLTRfootnotetext%
13808     \let\@RTLfootnotetext\@mpRTLfootnotetext%
13809 }

```



## 81 File bidi-media9.sty

```
13810 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13811 {bidi fixes for media9 package for the XeTeX engine}
13812
13813 \keys_define:nn{media9/mbtn}{
13814   draft .code:n = {},
13815   final .code:n = {},
13816
13817   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13818   tooltip .value_required:n = {true},
13819
13820   overface .code:n = {
13821     \sbox\l_mix_poster_box{
13822       \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13823     \mix_pdfxform:n{\l_mix_poster_box}
13824     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13825   },
13826   overface .value_required:n = {true},
13827
13828   downface .code:n = {
13829     \sbox\l_mix_poster_box{
13830       \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13831     \mix_pdfxform:n{\l_mix_poster_box}
13832     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13833   },
13834   downface .value_required:n = {true},
13835
13836   3Dgotoview .code:n = {
13837     \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13838     \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl
13839     \tl_trim_spaces:N\l_tmpa_tl
13840     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13841       \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13842         \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13843         \regex_replace_once:nnN{([~:]+):?}{\1}\l_tmpb_tl
13844         \tl_trim_spaces:N\l_tmpb_tl
13845         \tl_if_blank:VF\l_tmpb_tl{
13846           \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13847             \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
13848         }{
13849           \regex_match:nVTF{^~\d+}$}\l_tmpb_tl{
13850             \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13851         }{
13852           \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
13853           \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
13854           \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13855         }
13856       }
13857     }
```



```

13858 \mix_pdfobj:nnn{}{dict}{
13859 /S/JavaScript/JS~(
13860   if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13861   if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13862     annotRM['\l_tmpa_tl']=
13863     this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13864   }
13865   annotRM['\l_tmpa_tl'].activated=true;
13866 )
13867 \tl_if_blank:VF\l_tmpb_tl{
13868 /Next~<<
13869 /S/GoTo3DView
13870 /TA~\tl_use:c{ann@\l_tmpa_tl}
13871 /V\l_mix_vidx_tl
13872 >>
13873 }
13874 }
13875 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13876 }
13877 }{
13878 \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
13879 \cs_if_exist:NF\g_mix_refundefwarned_tl{
13880 \tl_new:N\g_mix_refundefwarned_tl
13881 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13882 }
13883 }
13884 },
13885 3Dgotoview .value_required:n = {true},
13886
13887 mediacommand .code:n = {
13888 \tl_set:Nx\l_tmpa_tl{#1}
13889 \regex_replace_once:nnN{([~:])+:??.*}{\1}\l_tmpa_tl %extract ref
13890 \tl_trim_spaces:N\l_tmpa_tl
13891 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13892 \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13893 \tl_set:Nx\l_tmpb_tl{#1}
13894 \regex_replace_once:nnN{[~:]+\?:?}{\1}\l_tmpb_tl
13895 \tl_trim_spaces:N\l_tmpb_tl
13896 \regex_replace_all:nnN{^{\|}\$}{\1}\l_tmpb_tl
13897 \tl_set:Nx\l_mix_cmd_tl{
13898 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13899 \tl_trim_spaces:N\l_mix_cmd_tl
13900 \tl_set:Nx\l_mix_arg_tl{
13901 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13902 \tl_trim_spaces:N\l_mix_arg_tl
13903 \mix_pdfobj:nnn{}{dict}{
13904 /S/JavaScript/JS~(
13905   if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13906   if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13907     annotRM['\l_tmpa_tl']=

```



```

13908         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13909     }
13910     annotRM['\l_tmpa_tl'].activated=true;
13911 )
13912 \tl_if_blank:VF\l_mix_cmd_tl{
13913     /Next~<<
13914     /S/RichMediaExecute
13915     /TA~\tl_use:c{ann@\l_tmpa_tl}
13916     /TI~\tl_use:c{main@\l_tmpa_tl}
13917     /CMD~<<
13918     /C~(\l_mix_cmd_tl)
13919     \tl_if_blank:VF\l_mix_arg_tl{
13920         /A~[\l_mix_arg_tl]
13921     }
13922     >>
13923 >>
13924 }
13925 }
13926 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13927 }
13928 }{
13929     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13930     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13931         \tl_new:N\g_mix_refundefwarned_tl
13932         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13933     }
13934 }
13935 },
13936 mediacommand .value_required:n = {true},
13937
13938 jsaction .code:n = {
13939     \tl_set:Nx\l_tmpa_tl{#1}
13940     \regex_match:nVTF{^[^\{:\}+:\.*$}\l_tmpa_tl{
13941         \regex_replace_once:nnN{([^\{:\}+:\.)*}{\1}\l_tmpa_tl %extract ref
13942         \tl_trim_spaces:N\l_tmpa_tl
13943     }{\tl_clear:N\l_tmpa_tl}
13944     \tl_set:Nx\l_tmpb_tl{#1}
13945     \tl_if_blank:VF\l_tmpa_tl{
13946         \tl_if_exist:cF{ann@\l_tmpa_tl}{
13947             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13948             \cs_if_exist:NF\g_mix_refundefwarned_tl{
13949                 \tl_new:N\g_mix_refundefwarned_tl
13950                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13951             }
13952         }
13953         \regex_replace_once:nnN{[^\{:\}+:\.]*}{\1}\l_tmpb_tl
13954     }
13955     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13956     \tl_trim_spaces:N\l_tmpb_tl
13957     \tl_if_blank:VF\l_tmpb_tl{

```





```

13958 \mix_pdfobj:nnn{}{dict}{
13959 /S/JavaScript/JS~(
13960   try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
13961 \bool_lazy_and:nnT{
13962   \tl_if_exist_p:c{ann@\l_tmpa_tl}
13963 }{
13964   !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13965 }{
13966   \mix_pdfobj:nnn{}{dict}{
13967     /S/JavaScript/JS~(
13968       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13969       if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13970         annotRM['\l_tmpa_tl']=
13971         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13972       }
13973       annotRM['\l_tmpa_tl'].activated=true;
13974     )
13975     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13976   }
13977 }
13978 \bool_if:nT{
13979   \bool_lazy_and_p:nn{
13980     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13981   }{
13982     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13983   }
13984   || !\tl_if_blank_p:V\l_tmpb_tl
13985 }{
13986   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13987 }
13988 },
13989 jsaction .value_required:n = {true},
13990
13991 unknown .code:n = {
13992   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13993 }
13994 }
13995
13996 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
13997 \mix_uriend:
13998 \group_begin:
13999 \mix_beginLTR:
14000 \leavevmode
14001 %empty stream as appearance dummy
14002 \cs_if_exist:NF\g_mix_appearance_tl{
14003   \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}}
14004   \mix_pdfxform:n{\l_mix_poster_box}
14005   \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
14006 }
14007 \mix_reset:

```



```

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

```



```

14058     }
14059     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
14060     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
14061     %enforce plain playbutton overlay for XeTeX
14062     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
14063   }
14064   %embed main asset
14065   \mix_uribegin:
14066   \mix_embedasset:n{#3}
14067   \bool_if:nTF{
14068     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
14069   }{
14070     \bool_gset_true:N\g_mix_iiid_bool
14071     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
14072   }{
14073     \str_case_x:nnF{\l_mix_base_tl}{
14074       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14075       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14076       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14077       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14078       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14079     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
14080   }
14081   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
14082   \mix_uriend:
14083   %secondary assets (added by addresource)
14084   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
14085   \seq_map_inline:Nn\g_mix_script_seq{
14086     \mix_embedasset:n{##1}
14087     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
14088   }
14089   %attach 3D calculation script
14090   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
14091     \mix_embedasset:n{3Dmenu.js}
14092     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
14093   }
14094   %create 3D views from file (option 3Dviews)
14095   \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
14096     \tl_set:Nn\l_mix_level_tl{\c_minus_one}
14097     \int_zero:N\l_mix_viewcnt_int
14098     \int_zero:N\l_mix_lineno_int
14099
14100     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
14101     \ior_map_inline:Nn\l_mix_vfile_stream{
14102       \int_incr:N\l_mix_lineno_int
14103       \keys_set:nn{media9/views}{##1} %process input line
14104     }
14105     \ior_close:N\l_mix_vfile_stream
14106   }
14107   \bool_if:nT{ %create default 3D view if required

```



```

14108     \g_mix_iiid_bool &&
14109     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
14110   }{
14111     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
14112     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
14113     \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
14114     \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
14115     \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
14116     \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
14117     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
14118
14119     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14120     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14121     \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14122     \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14123
14124     \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
14125     \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14126     \tl_clear:N\l_mix_naarray_tl
14127
14128     \bool_if:NF\l_mix_ciiw_bool{
14129       \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14130       \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14131     }
14132
14133     \tl_clear:N\l_mix_naarray_tl
14134     \tl_clear:N\l_mix_saarray_tl
14135     \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14136
14137     \mix_view:n{Default}
14138     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14139
14140   }
14141   \mix_pdfobj:nnn{}{dict}{
14142     /Type/RichMediaInstance
14143     /Subtype/\g_mix_mainassetsub_tl
14144     /Asset~\g_mix_mainasset_tl
14145     \bool_if:NF\g_mix_iiid_bool{
14146       /Params~<<
14147         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14148           /Foreground
14149         }{
14150           /Background
14151         }
14152         \tl_if_blank:VF\g_mix_flashvars_tl{
14153           /FlashVars~(\g_mix_flashvars_tl)
14154         }
14155       >>
14156     }
14157   }

```



```

14158 \tl_if_empty:NF\g_mix_usrlabel_tl{
14159   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14160 }
14161 \mix_pdfobj:nnn{}{dict}{
14162   /Type/RichMediaConfiguration
14163   /Subtype/\g_mix_mainassetssub_tl
14164   /Instances~[\mix_pdflastobj:]
14165 }
14166 \mix_pdfobj:nnn{}{dict}{
14167   /Type/RichMediaContent
14168   /Assets~<</Names~[\g_mix_assets_tl]>>
14169   /Configurations~[\mix_pdflastobj:]
14170   \bool_if:nT{
14171     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14172   }{
14173     /Views~[\l_mix_iiidviewarray_tl]
14174   }
14175 }
14176 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14177 \bool_if:nT{
14178   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14179 }{
14180   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14181 }
14182 %determine floating window size
14183 \bool_if:NT\g_mix_opt_windowed_bool{
14184   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14185 }
14186 \mix_pdfobj:nnn{}{dict}{
14187   /Activation~<<
14188   /Condition\g_mix_act_tl
14189   \bool_if:nT{
14190     \g_mix_iiid_bool &&
14191     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14192   }{ %seems to work only with 3D content
14193     /Animation~<<
14194     /Subtype/\g_mix_playtpe_tl
14195     /PlayCount~\g_mix_playcnt_tl
14196     /Speed~\g_mix_playspd_tl
14197     >>
14198   }
14199   \bool_if:nT{
14200     \g_mix_iiid_bool && (
14201       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14202     )
14203   }{/View~\l_mix_dfltview_tl}
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_flht>>
14211         /Position~<<
14212         /HOffset~0/VOffset~0
14213         \str_case_x:nnF{\g_mix_winpos_tl}{
14214             {tl}{VAlign/Near/HAlign/Near}
14215             {cl}{VAlign/Center/HAlign/Near}
14216             {bl}{VAlign/Far/HAlign/Near}
14217             {bc}{VAlign/Far/HAlign/Center}
14218             {br}{VAlign/Far/HAlign/Far}
14219             {cr}{VAlign/Center/HAlign/Far}
14220             {tr}{VAlign/Near/HAlign/Far}
14221             {tc}{VAlign/Near/HAlign/Center}
14222             }{/HAlign/Center/VAlign/Center}
14223         >>
14224     >>
14225     }{
14226         /Style/Embedded
14227     }
14228     \bool_if:NTF\g_mix_iiid_bool{
14229         /Toolbar~\g_mix_tools_tl
14230         /NavigationPane~\g_mix_nav_tl
14231     }{
14232         /PassContextClick~\g_mix_contextclick_tl
14233     }
14234     >>
14235     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14236     >>
14237     /Deactivation~<</Condition\g_mix_deact_tl>>
14238 }
14239 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14240 \tl_if_empty:NF\g_mix_usrlabel_tl{
14241     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14242 }
14243 % #1:width, #2:height, #3:depth, #4:content (key-value)
14244 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14245     /Subtype/RichMedia
14246     /F~4
14247     /BS~<</W~0/S/S>>
14248     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14249     /NM~(\g_mix_label_tl)
14250     /AP~<</N~\g_mix_appearance_tl>>
14251     /RichMediaSettings~\l_mix_settings_tl
14252     /RichMediaContent~\l_mix_content_tl
14253 }
14254 \tl_if_empty:NF\g_mix_usrlabel_tl{
14255     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14256     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14257         \noexpand\the\g@mix@page@int}

```



```

14258 }
14259 \mix_pdfobj:nnn{}{dict}{
14260   /S/JavaScript/JS~(
14261     try{
14262       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14263       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14264         annotRM['\g_mix_label_tl']=
14265           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14266       }
14267       \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14268         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14269           var~ocgs=this.getOCGs(this.pageNum);
14270           for(var~i=0;i<ocgs.length;i++){
14271             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14272               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14273             }
14274           }
14275         }
14276         if(
14277           !annotRM['\g_mix_label_tl'].activated&&(
14278             app.viewerType=='Reader' ||
14279             app.viewerType=='Exchange' ||
14280             app.viewerType=='Exchange-Pro'
14281           )&&app.viewerVersion>=9
14282         ){
14283           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14284         }
14285       }
14286     }catch(e){}
14287     this.dirty=false;
14288   )
14289 }
14290 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14291   /Subtype/Widget
14292   /FT/Btn/Ff~65537/F~2
14293   /BS~<</W~0>>
14294   /T~(fd@\g_mix_label_tl)
14295   /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14296 }
14297 \mix_appendtofields:n{\mix_pdflastann:}
14298 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14299 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14300   \hbox_to_wd:nn{\g_mix_wd_tl}{
14301     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14302   }
14303 }{%insert play button overlay
14304   \mix_insert_btnocg: %create OCG
14305   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14306   \group_begin:
14307   \cs_if_exist:NT\textdir{\textdir TLT}

```



```

14308     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14309     \box_move_down:nn{\g_mix_dp_tl}{
14310         \hbox_to_wd:nn{\g_mix_wd_tl}{
14311             \vbox_to_ht:nn{\g_mix_tt_tl}{
14312                 \vss
14313                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14314                 \box_use:N\l_mix_pbtn_box
14315                 \ocgbase_oc_emc:
14316             }
14317         }
14318     }
14319     \group_end:
14320 }
14321     \int_gincr:N\g_mix_rmcnt_int
14322 }
14323 \mix_endLTR:
14324 \group_end:
14325 }
14326 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14327 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14328
14329 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
14330     \mix_urien:
14331     \group_begin:
14332     \mix_beginLTR:
14333     \leavevmode
14334     %reset various variables
14335     \tl_gclear:N\g_mix_overbtn_tl
14336     \tl_gclear:N\g_mix_downbtn_tl
14337     \tl_gclear:N\g_mix_btnactions_tl
14338     \tl_gclear:N\g_mix_tooltip_tl
14339     %process options
14340     \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14341     \mix_uribegin: %treat URI characters correctly
14342     \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14343     \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14344     \mix_urien:
14345     %normal button appearance
14346     %\hbox_set:Nn\l_mix_poster_box{#2}
14347     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14348     \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14349     \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14350     \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14351     \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14352         \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_kscape_bool{\rotatebox{90}{
14353             \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14354         \mix_pdfxform:n{\l_mix_poster_box}
14355         \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14356         %insert widget annotation
14357         \mix_pdfannot:nnnn{\width}{\height}{\depth}{

```





```

14358 /Subtype/Widget
14359 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14360 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14361 /FT/Btn/Ff~65536
14362 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14363 /AP~<<
14364 /N~\g_mix_normalbtn_tl
14365 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14366 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14367 >>
14368 /MK~<<
14369 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14370 /I~\g_mix_normalbtn_tl
14371 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14372 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14373 >>
14374 /A~<<
14375 /S/JavaScript/JS~(app.focusRect=false;)
14376 %sequence of actions to perform
14377 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14378 >>
14379 }
14380 \mix_appendtofields:n{\mix_pdflastann:}
14381 \hbox_to_wd:nn{\width}{
14382 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14383 }
14384 \int_gincr:N\g_mix_mbtncnt_int
14385 }
14386 \mix_endLTR:
14387 \group_end:
14388 }
14389 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14390 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14391
14392

```

## 82 File memoir-xetex-bidi.def

```

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

```



```

14405 \renewcommand{\maketitle}{\par
14406   \begin{group}
14407     \@bsmarkseries
14408     \def\@makefnmark{\@textsuperscript{%
14409       \normalfont\@bsthanksheadpre \tmark \@bsthanksheadpost}}}%
14410     \long\def\@makefntext##1{\makethanksmark ##1}
14411     \if@twocolumn
14412       \ifnum \col@number=\@ne
14413         \@maketitle
14414       \else
14415         \twocolumn[\@maketitle]%
14416       \fi
14417     \else
14418       \ifdim\pagetotal>\z@
14419         \newpage
14420       \fi
14421       \global\@topnum\z@
14422       \@maketitle
14423     \fi
14424     \thispagestyle{title}\@thanks
14425   \end{group}
14426   \@bscontmark % \setcounter{footnote}{0}%
14427 }
14428 \renewcommand*{\memRTLleftskip}{\if@RTL\righskip\else\leftskip\fi}
14429 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\righskip\fi}
14430 \renewcommand*{\memRTLleftskip}{\if@RTL\leftskip\else\righskip\fi}
14431 \renewcommand*{\memRTLrightskip}{\if@RTL\righskip\else\leftskip\fi}
14432 \renewcommand*{\memRTLleftskip}{\if@RTL\leftskip\else\righskip\fi}
14433 \renewcommand*{\memRTLrightskip}{\if@RTL\righskip\else\leftskip\fi}
14434 \renewcommand*{\thetitle}{\thechapter\@SepMark\@arabic\c@section}
14435 \renewcommand*{\thesubsection}{%
14436   \thesubsection\@SepMark\@arabic\c@subsection}
14437 \renewcommand*{\thesubsubsection}{%
14438   \thesubsubsection\@SepMark\@arabic\c@subsubsection}
14439 \renewcommand*{\theparagraph}{%
14440   \thesubsubsection\@SepMark\@arabic\c@paragraph}
14441 \renewcommand*{\thesubparagraph}{%
14442   \theparagraph\@SepMark\@arabic\c@subparagraph}
14443 \renewcommand{\setthetitle}{\thechapter\@SepMark\Alph{section}}
14444 \renewcommand{\theequation}{%
14445   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14446 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14447 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14448 \ifartopt
14449   \chapterstyle{article}
14450   \counterwithout{figure}{chapter}
14451   \counterwithout{table}{chapter}
14452   \counterwithout{footnote}{chapter}
14453   \counterwithout{equation}{chapter}
14454   \renewcommand{\chaptername}{\@arabic\c@chapter}

```



```

14455 \renewcommand{\maketitlehookb}{%
14456 \vskip -1.5\topsep\vskip -1.5\partopsep}
14457 \renewcommand{\maketitlehookc}{%
14458 \vskip -1.5\topsep\vskip -1.5\partopsep}
14459 \fi
14460 \long\def\@makecaption#1#2{\let\@memtempa\relax
14461 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14462 \else \def\@memtempa{\vbox to\topskip{}}\fi
14463 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
14464 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
14465 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14466 \let\footnote\@contfnote
14467 \let\footnotemark\@contfmark
14468 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14469 \if@contcw
14470 \centering
14471 \parbox{\@contcwidth}{%
14472 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14473 \fi
14474 \ifdim\wd\@tempboxa<\linewidth
14475 \@contpre
14476 {\@contnfont #1\@contdelim}\@memtempa
14477 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14478 \else
14479 \if@conthang
14480 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14481 \@contpre%
14482 {\@contcstyle\hangindent=\wd\@tempboxa
14483 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14484 \else
14485 \if@contindent
14486 \@contpre%
14487 {\@contnfont #1\@contdelim}\@memtempa
14488 {\@contcstyle\hangindent=\@contindw
14489 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14490 \else
14491 \@contpre%
14492 {\@contnfont #1\@contdelim}\@memtempa
14493 {\@contcstyle \@conttfont #2\@contfinal\par}
14494 \fi
14495 \fi
14496 \fi
14497 \@contpost
14498 \if@contcw
14499 \par
14500 } % end of the \parbox
14501 \fi
14502 \vskip\belowcaptionskip}
14503 \ifpackageloaded{caption}{%
14504 \AtBeginPackage{caption}{

```



```

14505 \ClassWarningNoLine{memoir}{%
14506   You are using the caption package with the memoir \MessageBreak
14507   class. This may cause unexpected or inconsistent \MessageBreak
14508   results if you use any of memoir's captioning facilities}
14509
14510 \long\def\@makecaption##1##2{%
14511   \vskip\abovecaptionskip
14512   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14513   \ifdim \wd\@tempboxa >\hsize
14514     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14515   \else
14516     \global \@minipagefalse
14517     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14518   \fi
14519   \vskip\belowcaptionskip}
14520
14521 \def\caption{%
14522   \ifx\@capytype\@undefined
14523     \latex@error{\noexpand\caption outside float}\@ehd
14524     \expandafter\@gobble
14525   \else
14526     \refstepcounter\@capytype
14527     \expandafter\@firstofone
14528   \fi
14529   {\@dblarg{\@caption\@capytype}}%
14530 }
14531
14532 \long\def\@caption##1[##2]##3{%
14533   \par
14534   \addcontentsline{\csname ext@##1\endcsname}{##1}%
14535     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14536   \begingroup
14537     \@parboxrestore
14538     \if@minipage
14539       \setminipage
14540     \fi
14541     \normalsize
14542     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14543   \endgroup}
14544 }{}
14545 \renewenvironment{thebibliography}[1]{%
14546   \bibsection
14547   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14548   \bidi@thebibliography@font@hook%
14549   \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

## 83 File midfloat-xetex-bidi.def

```

14550 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14551 \def\RTL@outputdblcol{%

```



```

14552 \if@firstcolumn
14553 \global \@firstcolumnfalse
14554 \global\setbox\@leftcolumn\copy\@outputbox
14555 \splitmaxdepth\maxdimen
14556 \vbadness\maxdimen
14557 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14558 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14559 \toks@\expandafter{\topmark}%
14560 \xdef\@firstcoltopmark{\the\toks@}%
14561 \toks@\expandafter{\splitfirstmark}%
14562 \xdef\@firstcolfirstmark{\the\toks@}%
14563 \ifx\@firstcolfirstmark\@empty
14564 \global\let\@setmarks\relax
14565 \else
14566 \gdef\@setmarks{%
14567 \let\firstmark\@firstcolfirstmark
14568 \let\topmark\@firstcoltopmark}%
14569 \fi
14570 \global\c@colht\@colht\global\c@advvipersep\z@
14571 \ifnum\jua@sk>0
14572 \remove@strip\jua@sar
14573 \global\@colht\the\jua@pr
14574 \ifdim\right@cor>\z@
14575 \global\advance\@colht by\right@cor
14576 \fi
14577 \global\advance\@colht by\cor@height
14578 \global\cor@height=0pt
14579 \fi
14580 \global \setbox\@rightcolumn \vbox{%
14581 \else
14582 \ifdim\c@colht>\@colht
14583 \@tempdima\@colht
14584 \ifdim\@colht>\z@
14585 \global\setbox\@rightcolumn \vbox{%
14586 \unvbox\@rightcolumn
14587 \vbox to\@tempdima{%
14588 \vskip\c@advvipersep\unvbox\@outputbox}%
14589 \vskip\stripsep
14590 \vrule height\the\jua@ht width 0pt depth 0pt
14591 \vskip\stripsep
14592 }%
14593 \global\c@advvipersep\m@advvipersep
14594 \else
14595 \global\setbox\@rightcolumn \vbox{%
14596 \unvbox\@rightcolumn
14597 \vrule height\the\jua@ht width 0pt depth 0pt
14598 \vskip\stripsep
14599 }%
14600 \fi
14601 \ifnum\jua@sk>0

```



```

14602         \remove@strip\jua@sar
14603         \global\@colht\the\jua@pr
14604         \global\advance\@colht by -\ht\@rightcolumn
14605         \global\advance\@colht by\cor@height
14606         \global\cor@height=0pt
14607     \else
14608         \global\advance\c@colht by-\ht\@rightcolumn
14609         \global\@colht\c@colht
14610     \fi
14611 \else
14612 \global\@firstcolumntrue
14613 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14614     \unvbox\@rightcolumn
14615     \vskip\c@addvipersep
14616     \unvbox\@outputbox
14617 }%
14618 \setbox\@outputbox \vbox {%
14619     \hb@xt@\textwidth {%
14620         \hskip \columnwidth
14621         \hfil
14622         \vrule \@width\columnseprule
14623         \hfil
14624         \hb@xt@\columnwidth {%
14625             \bidi@firstcolumn@status@write%
14626             \box\@leftcolumn \hss}%
14627         \hskip-\textwidth
14628         \hb@xt@\columnwidth {%
14629             \bidi@lastcolumn@status@write%
14630             \box\@outputbox \hss}%
14631         \hskip\columnwidth
14632         \hskip\columnsep}%
14633     }%
14634 \@combinedblfloats
14635 \@setmarks
14636 \@outputpage
14637 \begingroup
14638 \@dblfloatplacement
14639 \@startdblcolumn
14640 \@whiles\if@fcolmade \fi
14641     {\@outputpage
14642     \@startdblcolumn}%
14643 \endgroup
14644 \global\jua@sk=0\global\jua@sar={}
14645 \global\cor@height\z@\global\c@addvipersep\z@
14646 \fi
14647 \fi
14648 }
14649
14650
14651 \def\LTR@outputdblcol{%

```



```

14652 \if@firstcolumn
14653   \global \@firstcolumnfalse
14654   \global\setbox\@leftcolumn\copy\@outputbox
14655   \splitmaxdepth\maxdimen
14656   \vbadness\maxdimen
14657   \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14658   \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14659   \toks@\expandafter{\topmark}%
14660   \xdef\@firstcoltopmark{\the\toks@}%
14661   \toks@\expandafter{\splitfirstmark}%
14662   \xdef\@firstcolfirstmark{\the\toks@}%
14663   \ifx\@firstcolfirstmark\@empty
14664     \global\let\@setmarks\relax
14665   \else
14666     \gdef\@setmarks{%
14667       \let\firstmark\@firstcolfirstmark
14668       \let\topmark\@firstcoltopmark}%
14669   \fi
14670   \global\c@colht\@colht\global\c@advvipersep\z@
14671   \ifnum\jua@sk>0
14672     \remove@strip\jua@sar
14673     \global\@colht\the\jua@pr
14674     \ifdim\right@cor>\z@
14675       \global\advance\@colht by\right@cor
14676     \fi
14677     \global\advance\@colht by\cor@height
14678     \global\cor@height=0pt
14679   \fi
14680   \global \setbox\@rightcolumn \vbox{%
14681 \else
14682   \ifdim\c@colht>\@colht
14683     \@tempdima\@colht
14684     \ifdim\@colht>\z@
14685       \global\setbox\@rightcolumn \vbox{%
14686         \unvbox\@rightcolumn
14687         \vbox to\@tempdima{%
14688           \vskip\c@advvipersep\unvbox\@outputbox}%
14689         \vskip\stripsep
14690         \vrule height\the\jua@ht width 0pt depth 0pt
14691         \vskip\stripsep
14692       }%
14693       \global\c@advvipersep\m@advvipersep
14694     \else
14695       \global\setbox\@rightcolumn \vbox{%
14696         \unvbox\@rightcolumn
14697         \vrule height\the\jua@ht width 0pt depth 0pt
14698         \vskip\stripsep
14699       }%
14700   \fi
14701   \ifnum\jua@sk>0

```



```

14702         \remove@strip\jua@sar
14703         \global\@colht\the\jua@pr
14704         \global\advance\@colht by -\ht\@rightcolumn
14705         \global\advance\@colht by \cor@height
14706         \global\cor@height=0pt
14707     \else
14708         \global\advance\c@colht by-\ht\@rightcolumn
14709         \global\@colht\c@colht
14710     \fi
14711 \else
14712     \global\@firstcolumntrue
14713     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14714         \unvbox\@rightcolumn
14715         \vskip\c@addvipersep
14716         \unvbox\@outputbox
14717     }%
14718     \setbox\@outputbox \vbox {%
14719         \hb@xt@\textwidth {%
14720             \hb@xt@\columnwidth {%
14721                 \bidi@firstcolumn@status@write%
14722                 \box\@leftcolumn \hss}%
14723             \hfil
14724             \vrule \@width\columnseprule
14725             \hfil
14726             \hb@xt@\columnwidth {%
14727                 \bidi@lastcolumn@status@write%
14728                 \box\@outputbox \hss}%
14729             }%
14730         }%
14731     \@combinedblfloats
14732     \@setmarks
14733     \@outputpage
14734     \begin@group
14735         \@dblfloatplacement
14736         \@startdblcolumn
14737         \@whiles\if@fcolmade \fi
14738             {\@outputpage
14739              \@startdblcolumn}%
14740     \end@group
14741     \global\jua@sk=0\global\jua@sar={}
14742     \global\cor@height\z@\global\c@addvipersep\z@
14743     \fi
14744 \fi
14745 }
14746
14747
14748 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14749     \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14750         \hsize\textwidth
14751         \@parboxrestore

```





```

14752         \col@number \@ne
14753         \vrule height\topskip width0pt depth0pt
14754     }
14755
14756 \def\endstrip{%
14757     \egroup\egroup
14758     \if@firstcolumn
14759         \ifdim\pagetotal>\z@
14760             \vskip\stripsep
14761             \global\ht@strip\pagegoal
14762             \global\advance\ht@strip by-\pagetotal
14763             \global\advance\ht@strip by-\stripsep
14764             \global\advance\ht@strip by-\ht@viper
14765             \global\advance\ht@strip by-\stripsep
14766             \global\jua@ht=\ht@viper
14767         \else
14768             \global\ht@strip\z@
14769         \fi
14770         \ifdim\ht@strip>\z@
14771             \unvbox\@viper
14772             \vskip\stripsep
14773             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14774             \global\advance\jua@sk by1
14775         \else
14776             \@latex@error{Strip needs more place!}\@ehc
14777             \if@vihproof
14778                 \framebox[\columnwidth]{??? Strip ???}%
14779             \fi
14780         \fi
14781     \else
14782         \@latex@error{Strip is used only on left column!}\@ehc
14783         \if@vihproof
14784             \framebox[\columnwidth]{??? Strip ???}%
14785         \fi
14786     \fi
14787 }

```

## 84 File minitoc-xetex-bidi.def

```

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

```



```

14799         \null\par}%
14800     \fi}
14801 \def\@Undottedtocline#1#2#3#4#5{%
14802     \ifnum #1>\c@tocdepth\relax \else
14803         \vskip \z@ \@plus.2\p@
14804         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@ocrmargin}
14805         \parindent #2\relax\@afterindenttrue
14806         \interlinepenalty\@M
14807         \leavevmode
14808         \@tempdima #3\relax
14809         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
14810         {\coffee font #4}\nobreak \nobreak\null
14811     \par}%
14812 \fi}
14813 \def\@Undottedtoclinep#1#2#3#4#5{%
14814     \ifnum #1>\c@tocdepth\relax \else
14815         \vskip \z@ \@plus.2\p@
14816         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@ocrmargin}
14817         \parindent #2\relax\@afterindenttrue
14818         \interlinepenalty\@M
14819         \leavevmode
14820         \@tempdima #3\relax
14821         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
14822         {#4}\nobreak \hfill \nobreak\null
14823         \hb@xt@\@pnumwidth{\{\hfil\normalfont \normalcolor #5}\}%
14824     \par}%
14825 \fi}

```

## 85 File multicol-xetex-bidi.def

```

14826 \ProvidesFile{multicol-xetex-bidi.def}[2018/10/07 v1.1 bidi adaptations for multicol package]
14827 \def\page@sofar{%
14828     \process@cols\mult@rightbox
14829     {\ifvoid\count@
14830         \setbox\count@\hbox to\hsize{}}%
14831     \else
14832         \wd\count@\hsize
14833     \fi}%
14834 \count@\col@number \advance\count@\m@ne
14835 \mult@info\z@
14836 {Column spec: \the\full@width\space = indent
14837     + columns + sep =\MessageBreak
14838     \the\multicol@leftmargin\space
14839     + \the\col@number\space
14840     x \the\hsize\space
14841     + \the\count@\space
14842     x \the\columnsep
14843 }%
14844 \ifvmode\else\errmessage{Multicol Error}\fi
14845 \nointerlineskip

```



```

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

```



```

14896 \mc@lastcol@status@write
14897 \box\mult@rightbox
14898 \hskip-\hsize
14899 \hskip\full@width
14900 \fi
14901 }
14902 \newcommand\RTLmulticolcolumns
14903 {\let\bidicol@multicol@align@columns
14904 \RTL@column@boxes}
14905 \newcommand\LTRmulticolcolumns
14906 {\let\bidicol@multicol@align@columns
14907 \LTR@column@boxes}
14908 \newcommand\bidicol@multicol@align@columns
14909 {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14910 \bidicol@AtEndPreamble{%
14911 \if@bidicol@csdef{footinsv@1}{%
14912 \def\footnoterule{\kern-3\p@
14913 \hrule \@width \textwidth \kern 2.6\p@}%
14914 }{}}%
14915 }
14916 \def\multicols#1{\col@number#1\relax
14917 \ifnum\col@number<\tw@
14918 \PackageWarning{multicol}%
14919 {Using `\'number\col@number'
14920 columns doesn't seem a good idea.^~J
14921 I therefore use two columns instead}%
14922 \col@number\tw@ \fi
14923 \ifnum\col@number>10
14924 \PackageError{multicol}%
14925 {Too many columns}%
14926 {Current implementation doesn't
14927 support more than 10 columns.%
14928 \MessageBreak
14929 I therefore use 10 columns instead}%
14930 \col@number10 \fi
14931 \ifx\@footnotetext\mult@footnotetext\else
14932 \let\orig@footnotetext\@footnotetext
14933 \let\@footnotetext\mult@footnotetext
14934 \fi
14935 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14936 \let\orig@LTRfootnotetext\@LTRfootnotetext
14937 \let\@LTRfootnotetext\mult@LTRfootnotetext
14938 \fi
14939 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14940 \let\orig@RTLfootnotetext\@RTLfootnotetext
14941 \let\@RTLfootnotetext\mult@RTLfootnotetext
14942 \fi
14943 \@ifnextchar[\mult@cols{\mult@cols[]}]
14944 \long\def\mult@footnotetext#1{\begingroup
14945 \hsize\textwidth

```



```

14946         \columnwidth\textwidth
14947         \orig@footnotetext{#1}\endgroup}
14948 \long\def\mult@LTRfootnotetext#1{\begingroup
14949     \hsize\textwidth
14950     \columnwidth\textwidth
14951     \orig@LTRfootnotetext{#1}\endgroup}
14952 \long\def\mult@RTLfootnotetext#1{\begingroup
14953     \hsize\textwidth
14954     \columnwidth\textwidth
14955     \orig@RTLfootnotetext{#1}\endgroup}
14956 \def\right@footnoterule{%
14957     \kern-3\p@
14958     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14959     \kern2.6\p@}
14960 \def\textwidth@footnoterule{\kern-3\p@
14961     \hrule \@width \textwidth \kern 2.6\p@}
14962 \def\bidileave@mult@copyins{%
14963     \advance\dimen@-\skip\@bidi@copyins@
14964     \advance\dimen@-\ht\@bidi@copyins@
14965 }
14966 \bidi@AtEndPreamble{%
14967     \if@bidi@csdef{footinsv@l}{%
14968         \def\bidileave@mult@footins@vr{%
14969             \advance\dimen@-\skip\footinsv@r
14970             \advance\dimen@-\ht\footinsv@r
14971         }%
14972         \def\bidileave@mult@footins@vl{%
14973             \advance\dimen@-\skip\footinsv@l
14974             \advance\dimen@-\ht\footinsv@l
14975         }%
14976         \def\bidi@init@mult@footinsv@r{%
14977             \multiply\count\footinsv@r\col@number
14978             \multiply\skip \footinsv@r\col@number
14979         }%
14980         \def\bidi@init@mult@footinsv@l{%
14981             \multiply\count\footinsv@l\col@number
14982             \multiply\skip \footinsv@l\col@number
14983         }%
14984         \def\bidi@reinsert@footnotesv@r{\ifvoid\footinsv@r\else
14985             \insert\footinsv@r{}\fi}%
14986         \def\bidi@reinsert@footnotesv@l{\ifvoid\footinsv@l\else
14987             \insert\footinsv@l{}\fi}%
14988         \bidi@patchcmd{\prepare@multicols}{%
14989             \reinsert@footnotes
14990         }{%
14991             \reinsert@footnotes
14992             \bidi@init@mult@footinsv@r
14993             \bidi@reinsert@footnotesv@r
14994             \bidi@init@mult@footinsv@l
14995             \bidi@reinsert@footnotesv@l

```



```

14996 }{}{}%
14997 \bidi@patchcmd{\multi@column@out}{%
14998   \ifnum \c@tracingmulticols>\thr@@
14999 }{%
15000   \ifvoid\footinsv@r
15001     \ifvoid\footinsv@l
15002     \else
15003       \PackageWarning{multicol}%
15004         {I moved some lines to
15005         the next page.\MessageBreak
15006         Footnotes on page
15007         \thepage\space might be wrong}%
15008     \fi
15009   \else
15010     \PackageWarning{multicol}%
15011     {I moved some lines to
15012     the next page.\MessageBreak
15013     Footnotes on page
15014     \thepage\space might be wrong}%
15015   \fi
15016 \ifnum \c@tracingmulticols>\thr@@
15017 }{}{}%
15018 \bidi@patchcmd{\endmulticols}{%
15019   \reinsert@footnotes
15020 }{%
15021   \reinsert@footnotes
15022   \bidi@reinsert@footnotesv@r
15023   \bidi@reinsert@footnotesv@l
15024 }{}{}%
15025 \bidi@patchcmd{\speci@ls}{%
15026   \reinsert@footnotes
15027 }{%
15028   \reinsert@footnotes
15029   \bidi@reinsert@footnotesv@r
15030   \bidi@reinsert@footnotesv@l
15031 }{}{}%
15032 \bidi@patchcmd{\speci@ls}{%
15033   \reinsert@footnotes
15034 }{%
15035   \reinsert@footnotes
15036   \bidi@reinsert@footnotesv@r
15037   \bidi@reinsert@footnotesv@l
15038 }{}{}%
15039 }{}%
15040 \bidi@patchcmd{\multi@column@out}{%
15041   \let\ifshr@kingsaved\ifshr@king
15042 }{%
15043   \if@bidi@csdef{footinsv@l}{%
15044     \divide\skip\footinsv@r\col@number
15045     \ifvoid\footinsv@r \else

```



```

15046         \bidi@leave@mult@footins@vr
15047     \fi
15048     \divide\skip\footinsv@l\col@number
15049     \ifvoid\footinsv@l \else
15050         \bidi@leave@mult@footins@vl
15051     \fi
15052 }{}%
15053 \ifvoid\@bidi@copyins@ \else
15054     \bidi@leave@mult@copyins
15055 \fi
15056 \let\ifshr@kingsaved\ifshr@king
15057 }{}{}%
15058 }

```

## 86 File multienum-xetex-bidi.def

```

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

```



```

15093 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15094 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
15095 \renewcommand{\itemxox}[2]{\parbox[t]{%
15096 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15097 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15098 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15099 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15100 \renewcommand{\itemxxo}[2]{\parbox[t]{%
15101 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15102 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
15103 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15104 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
15105 \renewcommand{\itemxox}[3]{\parbox[t]{%
15106 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15107 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15108 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15109 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15110 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15111 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15112 \renewcommand{\itemxxox}[3]{\parbox[t]{%
15113 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15114 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15115 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15116 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
15117 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15118 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15119 \renewcommand{\itemxxox}[3]{\parbox[t]{%
15120 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15121 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15122 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15123 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15124 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15125 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

## 87 File natbib-xetex-bidi.def

```

15126 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
15127 \renewenvironment{thebibliography}[1]{%
15128 \bibsection
15129 \parindent\z@
15130 \bibpreamble
15131 \bibfont
15132 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15133 \bidi@@thebibliography@font@hook%
15134 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15135 \ifNAT@openbib
15136 \renewcommand\newblock{\par}%
15137 \else
15138 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15139 \fi

```





```

15140 \sloppy\clubpenalty4000\widowpenalty4000
15141 \sfcode`.\@m
15142 \let\NAT@bibitem@first@sw\@firstoftwo
15143 \let\citeN\cite \let\shortcite\cite
15144 \let\citeasnoun\cite
15145 }{%
15146 \bibitem@fin
15147 \bibpostamble
15148 \def\@noitemerr{%
15149 \PackageWarning{natbib}{Empty `thebibliography' environment}%
15150 }%
15151 \endlist
15152 \bibcleanup
15153 }%

```

## 88 File newfloat-xetex-bidi.def

```

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

```



```

15187     \else
15188         \newfloat@Error{Invalid value `#2' for option `within'}%
15189     \fi
15190 \fi
15191 \fi}

```

## 89 File ntheorem-xetex-bidi.def

```

15192 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
15193 \gdef\@thm#1#2#3{%
15194     \if@thmmarks
15195         \stepcounter{end\InTheoType ctr}%
15196     \fi
15197     \renewcommand{\InTheoType}{#1}%
15198     \if@thmmarks
15199         \stepcounter{curr#1ctr}%
15200         \setcounter{end#1ctr}{0}%
15201     \fi
15202     \refstepcounter{#2}%
15203     \theorem@prework
15204     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15205     \ifvmode \advance\thm@topsepadd\partopsep\fi
15206     \trivlist
15207     \@topsep \theorempreskipamount
15208     \@topsepadd \thm@topsepadd % used by \@endparenv
15209     \advance\linewidth -\theorem@indent
15210     \advance\@totalleftmargin \theorem@indent
15211     \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15212     \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

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

```

15213 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
15214 \gdef\@thm#1#2#3{%
15215     \if@thmmarks
15216         \stepcounter{end\InTheoType ctr}%
15217     \fi
15218     \renewcommand{\InTheoType}{#1}%
15219     \if@thmmarks
15220         \stepcounter{curr#1ctr}%
15221         \setcounter{end#1ctr}{0}%
15222     \fi
15223     \refstepcounter{#2}%
15224     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15225     \ifvmode \advance\thm@topsepadd\partopsep\fi
15226     \trivlist
15227     \@topsep \theorempreskipamount
15228     \@topsepadd \thm@topsepadd % used by \@endparenv
15229     \advance\linewidth -\theorem@indent
15230     \advance\@totalleftmargin \theorem@indent

```



```

15231 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15232 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 91 File overpic-xetex-bidi.def

```

15233 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
15234 \renewenvironment{overpic}[2][\%
15235 \sbox{\z@}{\includegraphics[#1]{#2}}%
15236 \settodepth{\@tempcnta}{\usebox{\z@}}%
15237 \settoheight{\@tempcntb}{\usebox{\z@}}%
15238 \advance\@tempcntb\@tempcnta%
15239 \settowidth{\@tempcnta}{\usebox{\z@}}%
15240 \setlength{\@tempdima}{\unitlength}%
15241 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
15242 %
15243 \OVP@calc%
15244 %
15245 \begin{picture}(\@tempcnta,\@tempcntb)%
15246 \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
15247 \ifGin@grid%
15248 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15249 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15250 \fi\fi%
15251 % reset the graphics parameter
15252 \let\Gin@outer@scalex\relax
15253 \let\Gin@outer@scaley\relax
15254 \let\Gin@angle\relax
15255 \let\Gin@ewidth\Gin@exclamation
15256 \let\Gin@eheight\Gin@ewidth
15257 \def\Gin@scalex{1}
15258 \let\Gin@scaley\Gin@exclamation
15259 }{\%
15260 \ifRTL\ifGin@grid%
15261 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15262 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15263 \fi%
15264 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15265 \end{picture}%
15266 }%

```

## 92 File pdfbase-xetex-bidi.def

```

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

```



```

15275 \box_if_vertical:cTF{@outputbox}{
15276   \bool_set_true:N\l_pbs_is_vertical_bool
15277 }{
15278   \bool_set_false:N\l_pbs_is_vertical_bool
15279 }
15280 \hbox_set:Nn{@outputbox{
15281   %begin of page
15282   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15283   \box_use_clear:N{@outputbox
15284   %end of page
15285   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15286 }
15287 \bool_if:NT\l_pbs_is_vertical_bool{
15288   \vbox_set:Nn{@outputbox{\box_use_clear:N{@outputbox}
15289 }
15290 \pbs_outputpage_orig:
15291 }
15292 \ExplSyntaxOff

```

### 93 File pdfpages-xetex-bidi.def

```

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

```



```

15322         \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
15323         \fi
15324         \advance\@tempcnta 1\relax
15325     }%
15326     \foo
15327 }%
15328 \foo
15329 \expandafter\ifx\expandafter\\AM@pagestemp\\
15330 \def\AM@pagestemp{1}%
15331 \fi
15332 \fi
15333 \ifAM@output
15334     \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15335     \AM@output{#1}%
15336 \fi
15337 \AM@CheckAtEnd
15338 \endgroup
15339 \AM@ClearShipoutPicture
15340 }

```

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

```

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

```



```

15369      \pgf@relevantforpicturesizefalse%
15370      \pgf@process{\pgf@baseline}%
15371      \xdef\pgf@shift@baseline{\the\pgf@y}%
15372      %
15373      \pgf@process{\pgf@trimleft}%
15374      \global\advance\pgf@x by-\pgf@picminx
15375      % prepare \hskip\pgf@trimleft@final.
15376      % note that \pgf@trimleft@final is also queried
15377      % by the pgf image externalization.
15378      \xdef\pgf@trimleft@final{-\the\pgf@x}%
15379      %
15380      \pgf@process{\pgf@trimright}%
15381      \global\advance\pgf@x by-\pgf@picmaxx
15382      % prepare \hskip\pgf@trimright@final.
15383      % note that \pgf@trimright@final is also queried
15384      % by the pgf image externalization.
15385      \xdef\pgf@trimright@final{\the\pgf@x}%
15386      %
15387      \pgf@remember@layerlist@globally
15388      \endgroup%
15389      \hss%
15390      \egroup%
15391      \pgf@restore@layerlist@from@global
15392      \pgf@insertlayers%
15393      \endgroup%
15394      \pgfsys@discardpath%
15395      \endgroup%
15396      \pgfsys@endscope%
15397      \pgfsys@endpicture%
15398      \endgroup%
15399      \hss
15400 \egroup%
15401 \pgfsys@typesetpicturebox\pgfpic%
15402 \ifmmode\else\endL\fi%
15403 \endgroup%
15404 }

```

## 95 File `picinpar-xetex-bidi.def`

```

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

```



```

15416 \vbadness=10000
15417 \splittopskip=0pt
15418 %
15419 % Typeset the lines above the window
15420 %
15421 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15422 \tcn=\tcd
15423 \loop\advance\tcn -1
15424 \setbox\fslice=\vsplit\holder to\baselineskip
15425 \prune\fslice\linewidth
15426 \topheight=0pt
15427 \ifnum\dp\fslice>\dp\wstrutbox
15428 \advance\topheight-\dp\fslice
15429 \advance\topheight\dp\wstrutbox
15430 \advance\topheight\ilg\fi
15431 \hbox to\linewidth{\box\fslice}
15432 \vskip-\topheight
15433 \ifdim\ht\holder>0pt\repeat
15434 \fi
15435 %
15436 % Now we build the boxes beside the window
15437 %
15438 \global\topheight=\tcl\baselineskip
15439 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15440 \global\topheight=\vpic
15441 \fi
15442 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15443 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15444 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15445 \tcn=\tcl \na=0 \nb=0
15446 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15447 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15448 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15449 \ifnum\na=0\ifnum\nb=0
15450 \setbox\waslice=\vbox to\vpic{\vss}
15451 \setbox\wbslice=\vbox to\vpic{\vss}
15452 \bl=1\br=1
15453 \vskip\ilg
15454 \fi\fi
15455 %
15456 % both sides
15457 %
15458 \ifnum\na>0 \ifnum\nb>0
15459 \loop\advance\nb -1
15460 \advance\na -1
15461 \if@RTL%
15462 \setbox\bslice=\vsplit\holder to\baselineskip
15463 \prune\bslice\rtside
15464 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15465 to\rtside{\box\bslice\hfil}}

```



```

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

```





```

15516 \fi\fi\fi
15517 \setbox\windowbox=\vbox{\hbox to\linewidth{%
15518 \ifnum\bl>0\box\waslice\hfill\fi%
15519 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15520 \vfill\unvbox\picbox%
15521 \ifnum\picwd>0\vfill\fi%
15522 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15523 \unvbox\windowbox%
15524 \loop
15525 \setbox\bslice=\vsplit\rawtext to\baselineskip
15526 \prune\bslice\linewidth
15527 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15528 \unvbox\wbslice
15529 \ifdim\ht\rawtext>Opt
15530 \repeat
15531 }% FINITO

```

## 96 File plain-xetex-bidi.def

```

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

```



```

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

```



```

15613 \fi
15614 }
15615 \long\def\bidireflect@box#1{%
15616 \leavevmode
15617 \setbox\z@\hbox{{#1}}%
15618 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15619 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15620 }
15621 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
15622 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
15623 \let\setRL=\setRTL
15624 \let\setLR=\setLTR
15625 \let\unsetRL=\setLTR
15626 \let\bidisaved@eqno=eqno
15627 \let\bidisaved@leqno=leqno
15628 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
15629 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
15630 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15631 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15632 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

## 97 File pstricks-xetex-bidi.def

```

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

```



```

15660     \pst@dimd=0.5\pst@dimd
15661     \else\pst@dimd-\pst@shift\fi
15662     \advance\pst@dimd\pst@dimb
15663     \lower\pst@dimd
15664     \box\pst@hbox
15665     \kern\pst@dimc}%
15666 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15667 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15668 \fboxsep=0pt
15669 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15670 \ifmmode\else\endL\fi
15671 \endgroup%
15672 \psset[pstricks]{shift=0}% reset value
15673 }

```

## 98 File quotchap-xetex-bidi.def

```

15674 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15675 \renewcommand{\qauthor}[1]{%
15676   \par\smallskip
15677   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
15678 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15679   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15680     {\chapnumfont
15681       \ifnum \c@secnumdepth >\m@ne%
15682         \if@mainmatter\thechapter%
15683         \fi\fi
15684       \par\nobreak}%
15685     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10\p
15686     \nobreak\chapterheadendvskip}}}
15687 \renewcommand*{\@iprintcites}{%
15688   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15689   \global\let\@printcites\relax}

```

## 99 File ragged2e-xetex-bidi.def

```

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

```



```

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

```



```

15754 \else
15755 \RaggedRight
15756 \fi
15757 \lineskip\normallineskip
15758 \baselineskip\normalbaselineskip
15759 \sloppy}%
15760 \let\@raggedtwoe@raggedrightboxes@opt\relax
15761 }
15762 \def\@raggedtwoe@document@opt{%
15763 \AtBeginDocument{\@raggedtwoe@abdhook}%
15764 \@raggedtwoe@raggedrightboxes@opt
15765 \@raggedtwoe@footmisctrue
15766 \let\@raggedtwoe@document@opt\relax
15767 }
15768 \def\@raggedtwoe@abdhook{%
15769 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
15770 right to left documents and '\string\RaggedRight' for left
15771 to right documents}%
15772 \if@RTL
15773 \RaggedLeft
15774 \else
15775 \RaggedRight
15776 \fi
15777 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
15778 \let\@raggedtwoe@abdhook\relax
15779 }
15780 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
15781 \@raggedtwoe@raggedrightboxes@opt
15782 }{}
15783 \@ifpackagewith{ragged2e}{document}{%
15784 \@raggedtwoe@document@opt
15785 }{}
15786 \let\origin@RaggedLeft=\RaggedLeft
15787 \let\origin@RaggedRight=\RaggedRight
15788 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15789 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 100 File rapport1-xetex-bidi.def

```

15790 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15791 \renewenvironment{theindex}{%
15792 \if@twocolumn
15793 \@restonecolfalse
15794 \else
15795 \@restonecoltrue
15796 \fi
15797 \columnseprule \z@
15798 \columnsep 35\p@
15799 \twocolumn[\@makeschapterhead{\indexname}]}%
15800 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%

```



```

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

```



```

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

```





```

15901         {\settowidth\labelwidth{\@biblabel{#1}}}%
15902         \leftmargin\labelwidth
15903         \advance\leftmargin\labelsep
15904         \@openbib@code
15905         \usecounter{enumiv}%
15906         \let\p@enumiv\@empty
15907         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15908     \sloppy\clubpenalty4000\widowpenalty4000%
15909     \sfcode`\.\@m}
15910 {\def\@noitemerr
15911   {\@latex@warning{Empty `thebibliography' environment}}}%
15912 \endlist}
15913 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15914 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15915 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15916 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15917 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15918 \renewcommand*\theequation{%
15919   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15920 \renewcommand*\thefigure{%
15921   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15922 \renewcommand*\thetable{%
15923   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15924 \if@titlepage
15925 \renewcommand*\TitleFont{\rmfamily}
15926 \renewcommand*\maketitle{%
15927   \begin{titlepage}%
15928     \let\footnotesize\small
15929     \let\right@footnoterule\relax
15930     \let\left@footnoterule\relax
15931     \let\textwidth\footnoterule\relax
15932     \let \footnote \thanks
15933     \long\def\@makefnmark##1{\parindent\z@
15934       \def\labelitemi{\textendash}\@revlabeltrue
15935       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15936     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15937     \if@compatibility\setcounter{page}{0}\fi
15938     \null\vfil
15939     \vskip 60\p@
15940     \begin{center}%
15941       \TitleFont
15942       {\LARGE \def\\{\penalty -\@M}
15943         \if@allcaps
15944           \expandafter\uc@nothanks\@title\thanks\relax
15945         \else
15946           \@title
15947         \fi\par}%
15948     \vskip 3em%
15949     {\large
15950       \lineskip .75em \parindent\z@

```



```

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

```



```

16001     \ifnum \col@number=\@ne
16002         \@maketitle
16003     \else
16004         \twocolumn[\@maketitle]%
16005     \fi
16006 \else
16007     \newpage
16008     \global\@topnum\z@
16009     \@maketitle
16010 \fi
16011 \thispagestyle{plain}\@thanks
16012 \endgroup
16013 \setcounter{footnote}{0}%
16014 \global\let\thanks\relax
16015 \global\let\maketitle\relax
16016 \global\let\@maketitle\relax
16017 \global\let\@thanks\@empty
16018 \global\let\@author\@empty
16019 \global\let\@title\@empty
16020 \global\let\@date\@empty
16021 \global\let\title\relax
16022 \global\let\author\relax
16023 \global\let\date\relax
16024 \global\let\and\relax
16025 }
16026 \def\@maketitle{%
16027     \newpage
16028     \null
16029     \vskip 2em%
16030     \begin{center}%
16031         \let \footnote \thanks
16032         {\LARGE \TitleFont \@title \par}%
16033         \vskip 1.5em%
16034         {\large \TitleFont
16035             \lineskip .5em%
16036             \begin{tabular}[t]{c}%
16037                 \@author
16038             \end{tabular}\par}%
16039         \vskip 1em%
16040         {\large \TitleFont \@date}%
16041     \end{center}%
16042     \par
16043     \vskip 1.5em}
16044 \fi

```

## 101 File rapport3-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

16248 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
16249 \hskip -\if@RTL\righskip\else\leftskip\fi
16250 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16251 \penalty\@highpenalty
16252 \endgroup}
16253 \else
16254 \renewcommand*\l@chapter{\@regtocline{0}}
16255 \fi
16256 \renewcommand*\head@style{%
16257 \interlinepenalty \@M
16258 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16259 \if@RTL\leftskip\else\righskip\fi=0cm plus .7\hsize\relax}
16260 \if@titlepage
16261 \renewenvironment{abstract}{%
16262 \titlepage
16263 \null\vfil
16264 \section*{\SectFont\abstractname}%
16265 \noindent\ignorespaces}
16266 {\par\vfil\null\endtitlepage}
16267 \else
16268 \renewenvironment{abstract}{%
16269 \if@twocolumn
16270 \section*{\abstractname}%
16271 \else
16272 \bgroup\if@RTL\leftskip\else\righskip\fi=\unitindent
16273 \section*{\small\SectFont\abstractname}%
16274 \noindent\ignorespaces
16275 \fi}
16276 {\if@twocolumn\else\par\egroup\fi}
16277 \fi
16278 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16279 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16280 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16281 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16282 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16283 \renewcommand*\thefigure{%
16284 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16285 \renewcommand*\thetable{%
16286 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16287 \renewcommand*\theequation{%
16288 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
16289 \renewenvironment{thebibliography}[1]
16290 {\chapter*{\bibname}%
16291 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16292 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16293 \bidi@thebibliography@font@hook%
16294 \list{\@biblabel{\@arabic\c@enumiv}}%
16295 {\settowidth\labelwidth{\@biblabel{#1}}%
16296 \leftmargin\labelwidth
16297 \advance\leftmargin\labelsep

```





```

16298         \@openbib@code
16299         \usecounter{enumiv}%
16300         \let\p@enumiv\@empty
16301         \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}%
16302     \sloppy\clubpenalty4000\widowpenalty4000%
16303     \sfcode`.\@m}
16304     {\def\@noitemerr
16305       {\@latex@warning{Empty `thebibliography' environment}}}%
16306     \endlist}
16307 \renewcommand*{\left@footnoterule{%
16308   \kern-3\p@
16309   \kern.5\baselineskip
16310   \hrule\@width\unitindent
16311   \kern.4\baselineskip
16312 }
16313 \renewcommand*{\right@footnoterule{%
16314   \kern-3\p@
16315   \kern.5\baselineskip
16316   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16317   \kern.4\baselineskip}
16318 \renewcommand*{\head@style{%
16319   \interlinepenalty \@M
16320   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16321   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

## 102 File refrep-xetex-bidi.def

```

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

```



```

16345 {\LARGE \@title \par}%
16346 \vskip 3em%
16347 {\large
16348 \lineskip .75em%
16349 \begin{tabular}[t]{c}%
16350 \@author
16351 \end{tabular}\par}%
16352 \vskip 1.5em%
16353 {\large \@date \par}% % Set date in \large size.
16354 \end{center}\par
16355 \@thanks
16356 \vfil\null
16357 \end{titlepage}%
16358 \setcounter{footnote}{0}%
16359 \global\let\thanks\relax
16360 \global\let\LTRthanks\relax
16361 \global\let\RTLthanks\relax
16362 \global\let\maketitle\relax
16363 \global\let\@thanks\@empty
16364 \global\let\@author\@empty
16365 \global\let\@date\@empty
16366 \global\let\@title\@empty
16367 \global\let\title\relax
16368 \global\let\author\relax
16369 \global\let\date\relax
16370 \global\let\and\relax
16371 }
16372 \else
16373 \renewcommand\maketitle{\par
16374 \begingroup
16375 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16376 \def\@makefnmark%
16377 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16378 \long\def\@makefntext##1{%
16379 \@setpar{\@par
16380 \@tempdima = \hsize
16381 \advance\@tempdima -1em
16382 \parshape \@ne 1em \@tempdima}%
16383 \par\parindent 1em \noindent
16384 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}\##1}
16385 \if@twocolumn
16386 \ifnum \col@number=\@ne
16387 \@maketitle
16388 \else
16389 \twocolumn[\@maketitle]%
16390 \fi
16391 \else
16392 \newpage
16393 \global\@topnum\z@ % Prevents figures from going at top of page.
16394 \@maketitle

```



```

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

```



```

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

```



```

16495         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16496         \sloppy
16497         \clubpenalty4000
16498         \@clubpenalty \clubpenalty
16499         \widowpenalty4000%
16500     \sfcode`\.=\@m}
16501     {\def\@noitemerr
16502      {\@latex@warning{Empty `thebibliography' environment}}}%
16503     \endlist}

```

### 103 File report-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

16642      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16643      \penalty\@highpenalty
16644      \endgroup
16645      \fi}
16646 \renewcommand\left@footnoterule{%
16647   \kern-3\p@
16648   \hrule\@width.4\columnwidth
16649   \kern2.6\p@}
16650 \renewcommand\right@footnoterule{%
16651   \kern-3\p@
16652   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16653   \kern2.6\p@}
16654 \renewcommand\theequation
16655   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16656 \renewcommand \thefigure
16657   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16658 \renewcommand \thetable
16659   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16660 \renewcommand \thechapter {\@arabic\c@chapter}
16661 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16662 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16663 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16664 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
16665 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
16666 \def\@makechapterhead#1{%
16667   \vspace*{50\p@}%
16668   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16669     \ifnum \c@secnumdepth >\m@ne
16670       \huge\bfseries \@chapapp\space \thechapter
16671       \par\nobreak
16672       \vskip 20\p@
16673     \fi
16674     \interlinepenalty\@M
16675     \Huge \bfseries #1\par\nobreak
16676     \vskip 40\p@
16677   }}
16678 \def\@makeschapterhead#1{%
16679   \vspace*{50\p@}%
16680   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16681     \normalfont
16682     \interlinepenalty\@M
16683     \Huge \bfseries #1\par\nobreak
16684     \vskip 40\p@
16685   }}
16686 \renewenvironment{thebibliography}[1]
16687   {\chapter*{\bibname}%
16688    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16689    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16690    \bidi@thebibliography@font@hook%
16691    \list{\@biblabel{\@arabic\c@enumiv}}%

```





```

16692         {\settowidth\labelwidth{\@biblabel{#1}}}%
16693         \leftmargin\labelwidth
16694         \advance\leftmargin\labelsep
16695         \@openbib@code
16696         \usecounter{enumiv}%
16697         \let\p@enumiv\@empty
16698         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16699     \sloppy
16700     \clubpenalty4000
16701     \@clubpenalty \clubpenalty
16702     \widowpenalty4000%
16703     \sfcode`\.\@m}
16704 {\def\@noitemerr
16705   {\@latex@warning{Empty `thebibliography' environment}}}%
16706 \endlist}

```

## 104 File rotating-xetex-bidi.def

```

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

```



```

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

```



```

16789      \rotatebox{-90}{\box\rot@float@box}%
16790      \hskip\rotFPtop
16791      }%
16792      \vfill
16793      }%
16794      \rot@message{\the\rot@mess@toks}%
16795      }%
16796      \end@dblfloat
16797  }
16798  \def\turn#1{%
16799      \Grot@setangle{#1}%
16800      \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16801  \def\endturn{%
16802      \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16803      \unskip\color@endbox
16804      \Grot@x\z@
16805      \Grot@y\z@
16806      \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16807  }
16808  \def\rotate#1{%
16809      \Grot@setangle{#1}%
16810      \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16811  \def\endrotate{%
16812      \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16813      \unskip\color@endbox
16814      \Grot@x\z@
16815      \Grot@y\z@
16816      \wd0\z@\dp0\z@\ht0\z@
16817      \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16818  }
16819  \def\turnbox#1#2{%
16820      \Grot@setangle{#1}%
16821      \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16822      \Grot@x\z@\Grot@y\z@
16823      \wd0\z@\dp0\z@\ht0\z@
16824      \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16825  }
16826  \def\sideways{%
16827      \Grot@setangle{90}%
16828      \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16829  \def\endsideways{%
16830      \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16831      \unskip\color@endbox
16832      \Grot@x\z@
16833      \Grot@y\z@
16834      \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16835  }

```

## 105 File scrartcl-xetex-bidi.def



```

16836 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16837 \newcommand{\scr@saved@LTRfootnotetext}{}
16838 \newcommand{\scr@saved@RTLfootnotetext}{}
16839 \let\scr@saved@footnotetext\@footnotetext
16840 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16841 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16842 \renewcommand{\@footnotetext}[1]{%
16843   \scr@saved@footnotetext{#1}%
16844   \csname FN@mfb@prepare\endcsname
16845 }
16846 \renewcommand{\@LTRfootnotetext}[1]{%
16847   \scr@saved@LTRfootnotetext{#1}%
16848   \csname FN@mfb@prepare\endcsname
16849 }
16850 \renewcommand{\@RTLfootnotetext}[1]{%
16851   \scr@saved@RTLfootnotetext{#1}%
16852   \csname FN@mfb@prepare\endcsname
16853 }
16854 \renewcommand\deffootnote[4][1]{%
16855   \long\def\@makefnmark##1{%
16856     \setlength{\@tempdimc}{#3}%
16857     \def\@tempa{#1}\ifx\@tempa\@empty
16858       \setpar{\@par
16859         \@tempdima = \hsize
16860         \addtolength{\@tempdima}{-#2}%
16861         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16862     \else
16863       \addtolength{\@tempdimc}{#2}%
16864       \addtolength{\@tempdimc}{-#1}%
16865       \setpar{\@par
16866         \@tempdima = \hsize
16867         \addtolength{\@tempdima}{-#1}%
16868         \@tempdimb = \hsize
16869         \addtolength{\@tempdimb}{-#2}%
16870         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
16871       }%
16872     \fi
16873     \par
16874     \parindent\@tempdimc\noindent
16875     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16876   }%
16877   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16878 }
16879 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16880 \renewcommand*\left@footnoterule{%
16881   \normalsize\ftn@rule@test@values
16882   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16883   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16884   {\usekomafont{footnoterule}{%
16885     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%

```



```

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

```



```

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

```



```

16986 \endgroup
16987 \fi
16988 \setcounter{footnote}{0}%
16989 \let\thanks\relax
16990 \let\LTRthanks\relax
16991 \let\RTLthanks\relax
16992 \let\maketitle\relax
16993 \let\@maketitle\relax
16994 \global\let\@thanks\@empty
16995 \global\let\@author\@empty
16996 \global\let\@date\@empty
16997 \global\let\@title\@empty
16998 \global\let\@subtitle\@empty
16999 \global\let\@extratitle\@empty
17000 \global\let\@titlehead\@empty
17001 \global\let\@subject\@empty
17002 \global\let\@publishers\@empty
17003 \global\let\@uppertitleback\@empty
17004 \global\let\@lowertitleback\@empty
17005 \global\let\@dedication\@empty
17006 \global\let\author\relax
17007 \global\let\title\relax
17008 \global\let\extratitle\relax
17009 \global\let\titlehead\relax
17010 \global\let\subject\relax
17011 \global\let\publishers\relax
17012 \global\let\uppertitleback\relax
17013 \global\let\lowertitleback\relax
17014 \global\let\dedication\relax
17015 \global\let\date\relax
17016 \global\let\and\relax
17017}%
17018 \renewcommand*{\@maketitle}{%
17019 \clearpage
17020 \let\footnote\thanks
17021 \let\LTRfootnote\LTRthanks
17022 \let\RTLfootnote\RTLthanks
17023 \ifx\@extratitle\@empty \else
17024 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17025 \fi
17026 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17027 \ifx\@titlehead\@empty \else
17028 \begin{minipage}[t]{\textwidth}
17029 \@titlehead
17030 \end{minipage}\par
17031 \fi
17032 \null
17033 \vskip 2em%
17034 \begin{center}%
17035 \ifx\@subject\@empty \else

```



```

17036      {\subject@font \@subject \par}
17037      \vskip 1.5em
17038      \fi
17039      {\titlefont\huge \@title \par}%
17040      \vskip .5em
17041      {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17042      \vskip 1em
17043      {\Large
17044       \lineskip .5em%
17045       \begin{tabular}[t]{c}
17046         \@author
17047       \end{tabular}\par
17048      }%
17049      \vskip 1em%
17050      {\Large \@date \par}%
17051      \vskip \z@ \@plus 1em
17052      {\Large \@publishers \par}
17053      \ifx\@dedication\@empty \else
17054        \vskip 2em
17055        {\Large \@dedication \par}
17056      \fi
17057      \end{center}%
17058      \par
17059      \vskip 2em
17060    }%
17061    \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17062    \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
17063    \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17064    \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
17065    \renewcommand*{\thesubsubsection}{%
17066      \thesubsection\@SepMark\@arabic\c@subsubsection
17067    }
17068    \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17069    \renewcommand*{\thesubparagraph}{%
17070      \theparagraph\@SepMark\@arabic\c@subparagraph
17071    }
17072    \renewenvironment{thebibliography}[1]{%
17073      \if@bib@break@
17074        \bib@beginhook
17075      \else
17076        \bib@heading
17077        \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17078          \noindent\bibpreamble\par\nobreak
17079        \fi\fi
17080        \bib@beginhook
17081        \bib@before@hook
17082      \fi
17083      \renewcommand{\BreakBibliography}[1]{%
17084        \@bib@break
17085        \end{thebibliography}%

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

17336 style=section,%
17337 level=1,%
17338 indent=\z@,%
17339 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17340 afterskip=2.3ex \@plus .2ex,%
17341 tocstyle=section,%
17342 tocindent=0pt,%
17343 tocnumwidth=1.5em%
17344]{section}
17345\DeclareSectionCommand[%
17346 style=section,%
17347 level=2,%
17348 indent=\z@,%
17349 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17350 afterskip=1.5ex \@plus .2ex,%
17351 tocstyle=subsection,%
17352 tocindent=1.5em,%
17353 tocnumwidth=2.3em%
17354]{subsection}
17355\DeclareSectionCommand[%
17356 style=section,%
17357 level=3,%
17358 indent=\z@,%
17359 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17360 afterskip=1.5ex \@plus .2ex,%
17361 tocstyle=subsection,%
17362 tocindent=3.8em,%
17363 tocnumwidth=3.2em%
17364]{subsubsection}
17365\DeclareSectionCommand[%
17366 style=section,%
17367 level=4,%
17368 indent=\z@,%
17369 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17370 afterskip=-1em,%
17371 tocstyle=subsection,%
17372 tocindent=7.0em,%
17373 tocnumwidth=4.1em%
17374]{paragraph}
17375\DeclareSectionCommand[%
17376 style=section,%
17377 level=5,%
17378 indent=\scr@parindent,%
17379 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17380 afterskip=-1em,%
17381 tocstyle=subsection,%
17382 tocindent=10em,%
17383 tocnumwidth=5em%
17384]{subparagraph}

```



## 106 File scrbook-xetex-bidi.def

```

17385 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for L
17386 \newcommand{\scr@saved@LTRfootnotetext}{}
17387 \newcommand{\scr@saved@RTLfootnotetext}{}
17388 \let\scr@saved@footnotetext\@footnotetext
17389 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17390 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17391 \renewcommand{\@footnotetext}[1]{%
17392   \scr@saved@footnotetext{#1}%
17393   \csname FN@mf@prepare\endcsname
17394 }
17395 \renewcommand{\@LTRfootnotetext}[1]{%
17396   \scr@saved@LTRfootnotetext{#1}%
17397   \csname FN@mf@prepare\endcsname
17398 }
17399 \renewcommand{\@RTLfootnotetext}[1]{%
17400   \scr@saved@RTLfootnotetext{#1}%
17401   \csname FN@mf@prepare\endcsname
17402 }
17403 \renewcommand\deffootnote[4][]{%
17404   \long\def\@makefnmark##1{%
17405     \setlength{\@tempdimc}{#3}%
17406     \def\@tempa{#1}\ifx\@tempa\@empty
17407       \setpar{\@par
17408         \@tempdima = \hsize
17409         \addtolength{\@tempdima}{-#2}%
17410         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17411     \else
17412       \addtolength{\@tempdimc}{#2}%
17413       \addtolength{\@tempdimc}{-#1}%
17414       \setpar{\@par
17415         \@tempdima = \hsize
17416         \addtolength{\@tempdima}{-#1}%
17417         \@tempdimb = \hsize
17418         \addtolength{\@tempdimb}{-#2}%
17419         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17420       }%
17421     \fi
17422     \par
17423     \parindent\@tempdimc\noindent
17424     \fnt@font\hbox to \z@{\hss\@makefnmark}##1%
17425   }%
17426   \def\@makefnmark{\hbox{\fntm@font{#4}}}%
17427 }
17428 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17429 \renewcommand*\left@footnoterule{%
17430   \normalsize\fnt@rule@test@values
17431   \kern-\dimexpr 2.6\p@+\fnt@rule@height\relax
17432   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi

```



```

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

```





```

17483     }%
17484     \vskip 1.5em
17485     {\Large \@date \par}%
17486     \vskip \z@ \@plus3fill
17487     {\Large \@publishers \par}%
17488     \vskip 3em
17489 \end{center}\par
17490 \@thanks
17491 \vfill\null
17492 \if@twoside\next@tpage
17493   \begin{minipage}[t]{\textwidth}
17494     \uppertitleback
17495   \end{minipage}\par
17496   \vfill
17497   \begin{minipage}[b]{\textwidth}
17498     \lowertitleback
17499   \end{minipage}
17500 \fi
17501 \ifx\@dedication\@empty \else
17502   \next@tpage\null\vfill
17503   {\centering \Large \@dedication \par}%
17504   \vskip \z@ \@plus3fill
17505   \if@twoside \next@tpage\cleardoubleemptypage \fi
17506 \fi
17507 \end{titlepage}
17508 \else
17509   \par
17510   \@tempcnta=
17511   #1%
17512   \relax\ifnum\@tempcnta=1\else
17513     \ClassWarning{\KOMAClassName}{%
17514       Optional argument of \string\maketitle\space ignored
17515       at\MessageBreak
17516       notitlepage-mode%
17517     }%
17518   \fi
17519   \begingroup
17520     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17521     \let\@oldmakefnmark\@makefnmark
17522     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17523     \if@twocolumn
17524       \ifnum \col@number=\@one
17525         \@maketitle
17526       \else
17527         \twocolumn[\@maketitle]%
17528       \fi
17529     \else
17530       \newpage
17531       \global\@topnum\z@
17532       \@maketitle

```



```

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

```



```

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

```



```

17633 \fi
17634 \@arabic\c@figure
17635 }
17636 \renewcommand*\thetable{%
17637 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17638 \if@mainmatter\thechapter\@SepMark\fi
17639 \else
17640 \thechapter\@SepMark%
17641 \fi
17642 \@arabic\c@table
17643 }
17644 \renewcommand*\theequation{%
17645 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17646 \if@mainmatter\thechapter\@SepMark\fi
17647 \else
17648 \thechapter\@SepMark%
17649 \fi
17650 \@arabic\c@equation
17651 }
17652 \renewenvironment{thebibliography}[1]{%
17653 \if@bib@break@
17654 \bib@beginhook
17655 \else
17656 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17657 \setchapterpreamble{\bibpreamble}%
17658 \fi\fi
17659 \bib@heading
17660 \bib@beginhook
17661 \bib@before@hook
17662 \fi
17663 \renewcommand{\BreakBibliography}[1]{%
17664 \@bib@break
17665 \end{thebibliography}%
17666 \begingroup #1\endgroup
17667 \begin{thebibliography}{#1}
17668 }%
17669 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17670 \bidi@thebibliography@font@hook%
17671 \list{%
17672 \@biblabel{\@arabic\c@enumiv}%
17673 }{%
17674 \settowidth\labelwidth{\@biblabel{#1}}%
17675 \leftmargin\labelwidth
17676 \advance\leftmargin\labelsep
17677 \@openbib@code
17678 \if@bib@break@
17679 \edef\@tempa{%
17680 \noexpand\usecounter{enumiv}%
17681 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17682 }\@tempa

```



```

17683     \no@bib@break
17684     \else
17685         \usecounter{enumiv}%
17686     \fi
17687     \let\p@enumiv\@empty
17688     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17689 }%
17690 \sloppy\clubpenalty4000 \widowpenalty4000
17691 \sfcode`\.=\@m
17692 }{%
17693 \if@bib@break@
17694     \def\@noitemerr{%
17695         \@latex@warning{%
17696             \string\BreakBibliography\space at begin of `thebibliography'
17697             environment\MessageBreak
17698             or following \string\BreakBibliography}%
17699     }%
17700 \else
17701     \def\@noitemerr{%
17702         \@latex@warning{%
17703             Empty `thebibliography' environment or
17704             \string\BreakBibliography\MessageBreak
17705             before end of `thebibliography' environment}%
17706     }%
17707 \fi
17708 \endlist
17709 \if@bib@break@
17710 \else
17711     \bib@after@hook
17712     \let\bib@before@hook\@empty
17713     \let\bib@after@hook\@empty
17714 \fi
17715 \bib@endhook
17716 }
17717 \renewcommand*\left@footnoterule{%
17718     \kern-3\p@
17719     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17720     \hrule\@width.4\columnwidth
17721     \kern 2.6\p@}
17722 \renewcommand*\right@footnoterule{%
17723     \kern-3\p@
17724     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17725     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17726     \kern2.6\p@}
17727 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17728 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17729 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17730 \renewcommand\marginline[1]{%
17731     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17732 }

```



```

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

```



```

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

```



```

17833         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17834             \@makecaption{#1}{#2}{#3}%
17835             \endgraf
17836             \if@captionabove
17837                 \vskip\abovecaptionskip
17838             \else
17839                 \vskip\belowcaptionskip
17840             \fi
17841         }%
17842         \hss
17843     }%
17844 }%
17845 }%
17846 \renewcommand*{\scr@LT@array}{}%
17847 \let\scr@LT@array=LT@array
17848 \renewcommand*{\LT@array}{%
17849     \let\scr@caption=LT@caption
17850     \def\captionabove{\noalign{\global\@captionabovetrue}%
17851         \scr@caption}%
17852     \def\captionbelow{\noalign{\global\@captionabovetrue}%
17853         \scr@caption}%
17854     \if@tablecaptionabove
17855         \let\LT@caption=\captionabove
17856     \else
17857         \let\LT@caption=\captionbelow
17858     \fi
17859     \scr@LT@array
17860 }%
17861 \ClassInfo{\KOMAClassName}{%
17862     longtable captions redefined%
17863 }%
17864 \fi
17865 }
17866
17867 \CloneTOCEntryStyle{tocline}{part}
17868 \TOCEntryStyleStartInitCode{part}{%
17869     \expandafter\renewcommand%
17870     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17871     \expandafter\renewcommand%
17872     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17873     \expandafter\renewcommand%
17874     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17875         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17876     \expandafter\renewcommand\expandafter*%
17877     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17878 }
17879
17880 \CloneTOCEntryStyle{tocline}{chapter}
17881 \TOCEntryStyleStartInitCode{chapter}{%
17882     \expandafter\renewcommand%

```





```

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

```



```

17933]{section}
17934\DeclareSectionCommand[%
17935  style=section,%
17936  level=2,%
17937  indent=\z@,%
17938  beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17939  afterskip=1.5ex \@plus .2ex,%
17940  tocstyle=section,%
17941  tocindent=3.8em,%
17942  tocnumwidth=3.2em%
17943]{subsection}
17944\DeclareSectionCommand[%
17945  style=section,%
17946  level=3,%
17947  indent=\z@,%
17948  beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17949  afterskip=1.5ex \@plus .2ex,%
17950  tocstyle=section,%
17951  tocindent=7.0em,%
17952  tocnumwidth=4.1em%
17953]{subsubsection}
17954\DeclareSectionCommand[%
17955  style=section,%
17956  level=4,%
17957  indent=\z@,%
17958  beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17959  afterskip=-1em,%
17960  tocstyle=section,%
17961  tocindent=10em,%
17962  tocnumwidth=5em%
17963]{paragraph}
17964\DeclareSectionCommand[%
17965  style=section,%
17966  level=5,%
17967  indent=\scr@parindent,%
17968  beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17969  afterskip=-1em,%
17970  tocstyle=section,%
17971  tocindent=12em,%
17972  tocnumwidth=6em%
17973]{subparagraph}
17974
17975

```

## 107 File scrlettr-xetex-bidi.def

```

17976\ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17977\renewcommand\deffootnote[4][]{%
17978  \long\def\@makefnmark##1{%
17979    \edef\@tempa{##1}\ifx\@tempa\@empty

```



```

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

```



```

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

```



```

18080 -\sigindent \hspace{\sigindent}%
18081 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\}\[\presig@sk
18082 \fromsig\strut}\par
18083 \vspace{1.5\baselineskip}}

```

## 108 File scrreprt-xetex-bidi.def

```

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

```



```

18127 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18128 \renewcommand*\left@footnoterule{%
18129   \normalsize\ftn@rule@test@values
18130   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18131   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18132   {\usekomafont{footnoterule}{%
18133     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18134   \kern 2.6\p@}
18135 \renewcommand*\right@footnoterule{%
18136   \normalsize\ftn@rule@test@values
18137   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18138   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18139   {\usekomafont{footnoterule}{%
18140     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
18141     \kern 2.6\p@}
18142 \renewcommand*\maketitle[1][1]{%
18143   \if@titlepage
18144     \begin{titlepage}
18145       \setcounter{page}{%
18146         #1%
18147       }%
18148       \let\footnotesize\small
18149       \let\right@footnoterule\relax
18150       \let\left@footnoterule\relax
18151       \let\textwidth@footnoterule\relax
18152       \let\footnote\thanks
18153       \let\LTRfootnote\LTRthanks
18154       \let\RTLfootnote\RTLthanks
18155       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18156       \let\@oldmakefnmark\@makefnmark
18157       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
18158       \ifx\@extratitle\@empty \else
18159         \noindent\@extratitle\next@tpage\cleardoubleemptypage
18160         \thispagestyle{empty}%
18161       \fi
18162       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18163       \ifx\@titlehead\@empty \else
18164         \begin{minipage}[t]{\textwidth}%
18165           \@titlehead
18166         \end{minipage}\par
18167       \fi
18168       \null\vfill
18169       \begin{center}
18170         \ifx\@subject\@empty \else
18171           {\subject@font \@subject \par}%
18172           \vskip 3em
18173         \fi
18174         {\titlefont\huge \@title\par}%
18175         \vskip 1em
18176         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%

```



```

18177      \vskip 2em
18178      {\Large \lineskip 0.75em
18179        \begin{tabular}[t]{c}
18180          \@author
18181        \end{tabular}}\par
18182      }%
18183      \vskip 1.5em
18184      {\Large \@date \par}%
18185      \vskip \z@ \@plus3fill
18186      {\Large \@publishers \par}%
18187      \vskip 3em
18188      \end{center}}\par
18189      \@thanks
18190      \vfill\null
18191      \if@twoside\next@tpage
18192        \begin{minipage}[t]{\textwidth}
18193          \@uppertitleback
18194        \end{minipage}\par
18195        \vfill
18196        \begin{minipage}[b]{\textwidth}
18197          \@lowertitleback
18198        \end{minipage}
18199      \fi
18200      \ifx\@dedication\@empty \else
18201        \next@tpage\null\vfill
18202        {\centering \Large \@dedication \par}%
18203        \vskip \z@ \@plus3fill
18204        \if@twoside \next@tpage\cleardoubleemptypage \fi
18205      \fi
18206      \end{titlepage}
18207    \else
18208      \par
18209      \@tempcnta=%
18210      #1%
18211      \relax\ifnum\@tempcnta=1\else
18212        \ClassWarning{\KOMAClassName}{%
18213          Optional argument of \string\maketitle\space ignored
18214          at\MessageBreak
18215          notitlepage-mode%
18216        }%
18217      \fi
18218      \begingroup
18219        \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18220        \let\@oldmakefnmark\@makefnmark
18221        \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
18222        \if@twocolumn
18223          \ifnum \col@number=\@one
18224            \@maketitle
18225          \else
18226            \twocolumn[\@maketitle]%

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

18577 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18578 \expandafter\renewcommand\expandafter*%
18579 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18580 }
18581
18582 \CloneTOCEntryStyle{tocline}{section}
18583 \TOCEntryStyleStartInitCode{section}{%
18584 \expandafter\renewcommand%
18585 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18586 }
18587
18588 \CloneTOCEntryStyle{section}{default}
18589
18590 \DeclareSectionCommand[%
18591 style=part,%
18592 level=\m@ne,%
18593 pagestyle=plain,%
18594 tocstyle=part,%
18595 toclevel=\m@ne,%
18596 tocindent=\z@,%
18597 tocnumwidth=2em%
18598 ]{part}
18599 \DeclareSectionCommand[%
18600 style=chapter,%
18601 level=\z@,%
18602 pagestyle=plain,%
18603 tocstyle=chapter,%
18604 tocindent=\z@,%
18605 tocnumwidth=1.5em%
18606 ]{chapter}
18607 \DeclareSectionCommand[%
18608 style=section,%
18609 level=1,%
18610 indent=\z@,%
18611 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18612 afterskip=2.3ex \@plus .2ex,%
18613 tocstyle=section,%
18614 tocindent=1.5em,%
18615 tocnumwidth=2.3em%
18616 ]{section}
18617 \DeclareSectionCommand[%
18618 style=section,%
18619 level=2,%
18620 indent=\z@,%
18621 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18622 afterskip=1.5ex \@plus .2ex,%
18623 tocstyle=section,%
18624 tocindent=3.8em,%
18625 tocnumwidth=3.2em%
18626 ]{subsection}

```



```

18627 \DeclareSectionCommand[%
18628   style=section,%
18629   level=3,%
18630   indent=\z@,%
18631   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18632   afterskip=1.5ex \@plus .2ex,%
18633   tocstyle=section,%
18634   tocindent=7.0em,%
18635   tocnumwidth=4.1em%
18636 ]{subsubsection}
18637 \DeclareSectionCommand[%
18638   style=section,%
18639   level=4,%
18640   indent=\z@,%
18641   beforekip=3.25ex \@plus1ex \@minus .2ex,%
18642   afterskip=-1em,%
18643   tocstyle=section,%
18644   tocindent=10em,%
18645   tocnumwidth=5em%
18646 ]{paragraph}
18647 \DeclareSectionCommand[%
18648   style=section,%
18649   level=5,%
18650   indent=\scr@parindent,%
18651   beforekip=3.25ex \@plus1ex \@minus .2ex,%
18652   afterskip=-1em,%
18653   tocstyle=section,%
18654   tocindent=12em,%
18655   tocnumwidth=6em%
18656 ]{subparagraph}
18657
18658

```

## 109 File sidecap-xetex-bidi.def

```

18659 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18660 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18661   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}\else%
18662 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}\fi}
18663 \renewcommand*{\SC@justify@caption}{\if@RTL%
18664 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18665   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

## 110 File soul-xetex-bidi.def

```

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

```





```

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

```



```

18721         \hskip\spaceskip
18722     }%
18723     \fi
18724     \null
18725 }

```

## 111 File stabular-xetex-bidi.def

```

18726 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18727 \def\@stabular{%
18728     \leavevmode \bgroup \if@RTLtab\beginR \fi
18729     \let\@acol\@tabacol
18730     \let\@classz\@tabclassz
18731     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18732 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18733             \egroup \if@RTLtab\endR\fi\egroup}
18734 \expandafter \let \csname endstabular*\endcsname = \endstabular
18735 \def\@sarray[#1]#2{%
18736     \bgroup
18737     \setbox\@arstrutbox\hbox{%
18738         \vrule \@height\arraystretch\ht\strutbox
18739         \@depth\arraystretch \dp\strutbox
18740         \@width\z@}%
18741     \mkpream{#2}%
18742     \edef\@preamble{%
18743         \ialign \noexpand\@halignto
18744             \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18745     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18746     \let\@tabularnewline\\%
18747     \let\@sharp##%
18748     \set@typeset@protect
18749     \lineskip\z@skip\baselineskip\z@skip
18750     \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18751     \@preamble}

```

## 112 File subfigure-xetex-bidi.def

```

18752 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18753 \AtBeginDocument{%
18754     \let\p@subfigure=\thefigure
18755     \let\p@subtable=\thetable%
18756 }

```

## 113 File tabs-xetex-bidi.def

```

18757 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for Xe]
18758 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18759
18760 \expandafter\let\csname endtabular*\endcsname=\endtabular
18761

```



```

18762 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crrc if \ given
18763 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18764 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18765
18766 \def\@array[#1]#2{% remember global variables to allow recursion:
18767 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18768 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18769 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18770 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18771 \else \let\@tarlinesep\tablinesep \fi
18772 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18773 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18774 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18775 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18776 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18777 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18778 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18779 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18780 \let\protect\noexpand
18781 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18782 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \crrc}%
18783 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18784 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18785 \bgroup \let\par\@empty
18786 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18787 \advance\extrarulesep.5\arrayrulewidth
18788 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18789 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18790 \@preamble}

```

## 114 File tabularx-xetex-bidi.def

```

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

```



```

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

```



```

18859
18860 \long\def\TX@RTLftntext#1{%
18861   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18862     [\the\csname c@{\mpfn\endcsname}]}%
18863   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18864 \long\def\TX@xRTLftntext[#1]#2{%
18865   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}%

```

**115** File tabulary-xetex-bidi.def

```

18866\ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18867\def\@testpach{\@chclass
18868 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18869 \ifnum \@lastchclass=7 5 \else
18870 \ifnum \@lastchclass=8 \tw@ \else
18871 \ifnum \@lastchclass=9 \thr@@
18872 \else \z@
18873 \ifnum \@lastchclass = 10 \else
18874 \edef\@nextchar{\expandafter\string\@nextchar}%
18875 \@chnum
18876 \if \@nextchar c\z@ \else
18877 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18878 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18879 \if \@nextchar C7 \else
18880 \if \@nextchar L8 \else
18881 \if \@nextchar R9 \else
18882 \if \@nextchar J10 \else
18883 \z@ \@chclass
18884 \if\@nextchar |\@ne \else
18885 \if \@nextchar !6 \else
18886 \if \@nextchar @7 \else
18887 \if \@nextchar <8 \else
18888 \if \@nextchar >9 \else
18889 10
18890 \@chnum
18891 \if \@nextchar m\thr@@\else
18892 \if \@nextchar p4 \else
18893 \if \@nextchar b5 \else
18894 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18895 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

116 File tc-xetex-bidi.def

```

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

```



```

18903      \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18904      \beginL\special{pdf:bcontent }%
18905      \special{%
18906          pdf:literal direct
18907          0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18908      }%
18909      \special{pdf:literal direct W }%
18910      \special{pdf:literal direct n }%
18911      \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18912      \special{pdf:econtent }\endL%
18913  }%
18914 }

```

## 117 File tcolorbox-xetex-bidi.def

```

18915 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox package]
18916 \let\endtcblrbox=\endminipage
18917 \let\endtcbsavebox=\endtcblrbox
18918
18919 \bidi@patchcmd{\tcb@vbox}{%
18920   \let\@footnotetext\@mpfootnotetext%
18921 }{%
18922   \let\@footnotetext\@mpfootnotetext%
18923   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18924   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18925 }{}{}
18926
18927 \bidi@patchcmd{\endtcblrbox}{%
18928   \footnoterule%
18929 }{%
18930   \bidi@mpfootnoterule%
18931 }{}{}
18932 \bidi@apptocmd\tcb@icolorbox{%
18933   \@bidi@list@minipage@parboxfalse
18934 }{}{}

```

## 118 File titlesec-xetex-bidi.def

```

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

```



```

18947 \ttl@changecentercr
18948 \ttl@beginlongest
18949 #1{\ifhmode\ttl@hmode@error\fi
18950 \ttl@glcmds
18951 \parindent\z@
18952 \leavevmode
18953 \begingroup
18954 \ifttl@label
18955 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18956 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18957 \llap{\box\z@}%
18958 \fi
18959 #4{#8}%
18960 \kern\z@\strut\@par
18961 \endgroup
18962 \nobreak\ttl@midlongest#5\@par}%
18963 \ttl@endlongest}

```

## 119 File titletoc-xetex-bidi.def

```

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

```



```

18994 \setlength\leftskip{#2}\fi%
18995 \fi
18996 \ifRTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18997 \let\contentsmargin\ttl@margin
18998 \def\ttl@makeline##1{##1}%
18999 #3%
19000 \addtolength{\parfillskip}{-\ttl@corr}%
19001 \ifRTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
19002 \let\ttl@leaders\leaders}
19003 \renewcommand\ttl@margin[2][\z@]{%
19004 \def\ttl@corr{#1}%
19005 \advance\ifRTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
19006 \advance\ifRTL\leftskip\else\rightskip\fi#2\relax
19007 \def\@pnumwidth{#2}}
19008 \let\ttl@savel@part\l@part
19009 \def\l@part{\ttl@lselect{part}}
19010
19011 \let\ttl@savel@chapter\l@chapter
19012 \def\l@chapter{\ttl@lselect{chapter}}

```

## 120 File tocbibind-xetex-bidi.def

```

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

```





```

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

```



```

19091 \let\item\@idxitem}
19092 {\if@restonecol\onecolumn\else\clearpage\fi}
19093 \fi

```

## 121 File tocloft-xetex-bidi.def

```

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

```



```

19138         \fi
19139     \fi
19140 \endgroup
19141 \fi}
19142 \fi
19143 \if@cfthaschapter
19144 \renewcommand*{\l@chapter}[2]{
19145     \ifnum \c@tocdepth >\m@ne
19146         \addpenalty{-\@highpenalty}
19147         \vskip \cftbeforechapskip
19148         {\if@RTL\rightright\else\leftskip\fi \cftchapindent\relax
19149         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19150         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19151         \parindent \cftchapindent\relax\@afterindenttrue
19152         \interlinepenalty\@M
19153         \leavevmode
19154         \@tempdima \cftchapnumwidth\relax
19155         \let\@cftbsnum \cftchappresnum
19156         \let\@cftasnum \cftchapaftersnum
19157         \let\@cftasnumb \cftchapaftersnumb
19158         \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19159         {\cftchapfont #1}\nobreak
19160         \cftchapfillnum{#2}}
19161     \fi}
19162 \fi
19163 \renewcommand*{\l@section}[2]{%
19164     \ifnum \c@tocdepth >\z@
19165         \if@cfthaschapter
19166             \vskip \cftbeforesecskip
19167         \else
19168             \addpenalty\@secpenalty
19169             \addvspace{\cftbeforesecskip}
19170         \fi
19171         {\if@RTL\rightright\else\leftskip\fi \cftsecindent\relax
19172         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19173         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19174         \parindent \cftsecindent\relax\@afterindenttrue
19175         \interlinepenalty\@M
19176         \leavevmode
19177         \@tempdima \cftsecnumwidth\relax
19178         \let\@cftbsnum \cftsecpresnum
19179         \let\@cftasnum \cftsecaftersnum
19180         \let\@cftasnumb \cftsecaftersnumb
19181         \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19182         {\cftsecfont #1}\nobreak
19183         \cftsecfillnum{#2}}
19184     \fi}
19185 \renewcommand*{\l@subsection}[2]{%
19186     \ifnum \c@tocdepth >\@ne
19187         \vskip \cftbeforesubsecskip

```



```

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

```



```

19238 \vskip \cftbeforesubparaskip
19239 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
19240 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19241 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19242 \parindent \cftsubparaindent\relax\@afterindenttrue
19243 \interlinepenalty\@M
19244 \leavevmode
19245 \@tempdima \cftsubparanumwidth\relax
19246 \let\@cftbsnum \cftsubparapresnum
19247 \let\@cftasnum \cftsubparaaftersnum
19248 \let\@cftasnumb \cftsubparaaftersnumb
19249 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19250 {\cftsubparafont #1}\nobreak
19251 \cftsubparafillnum{#2}}
19252 \fi}
19253 \renewcommand*{\l@figure}[2]{%
19254 \ifnum \c@lofdepth >\z@
19255 \vskip \cftbeforefigskip
19256 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
19257 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19258 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19259 \parindent \cftfigindent\relax\@afterindenttrue
19260 \interlinepenalty\@M
19261 \leavevmode
19262 \@tempdima \cftfignumwidth\relax
19263 \let\@cftbsnum \cftfigpresnum
19264 \let\@cftasnum \cftfigaftersnum
19265 \let\@cftasnumb \cftfigaftersnumb
19266 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19267 {\cftfigfont #1}\nobreak
19268 \cftfigfillnum{#2}}
19269 \fi
19270 }
19271 \renewcommand*{\l@table}[2]{%
19272 \ifnum \c@lotdepth >\z@
19273 \vskip \cftbeforetabskip
19274 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
19275 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19276 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19277 \parindent \cfttabindent\relax\@afterindenttrue
19278 \interlinepenalty\@M
19279 \leavevmode
19280 \@tempdima \cfttabnumwidth\relax
19281 \let\@cftbsnum \cfttabpresnum
19282 \let\@cftasnum \cfttabaftersnum
19283 \let\@cftasnumb \cfttabaftersnumb
19284 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19285 {\cfttabfont #1}\nobreak
19286 \cfttabfillnum{#2}}
19287 \fi

```



```

19288 }
19289 \renewcommand{\@cftl@subfig}{
19290 \renewcommand*{\l@subfigure}[2]{%
19291 \ifnum \c@lofdepth > \toclevel@subfigure
19292 \vskip \cftbeforesubfigskip
19293 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
19294 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19295 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19296 \parindent \cftsubfigindent\relax\@afterindenttrue
19297 \interlinepenalty\@M
19298 \leavevmode
19299 \@tempdima \cftsubfignumwidth\relax
19300 \let\@cftbsnum \cftsubfigpresnum
19301 \let\@cftasnum \cftsubfigaftersnum
19302 \let\@cftasnumb \cftsubfigaftersnumb
19303 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19304 {\cftsubfigfont ##1}\nobreak
19305 \cftsubfigfillnum{##2}}
19306 \fi
19307 }
19308 }
19309 \renewcommand{\@cftl@subtab}{
19310 \renewcommand*{\l@subtable}[2]{%
19311 \ifnum \c@lotdepth > \toclevel@subtable
19312 \vskip \cftbeforesubtabskip
19313 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
19314 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19315 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19316 \parindent \cftsubtabindent\relax\@afterindenttrue
19317 \interlinepenalty\@M
19318 \leavevmode
19319 \@tempdima \cftsubtabnumwidth\relax
19320 \let\@cftbsnum \cftsubtabpresnum
19321 \let\@cftasnum \cftsubtabaftersnum
19322 \let\@cftasnumb \cftsubtabaftersnumb
19323 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19324 {\cftsubtabfont ##1}\nobreak
19325 \cftsubtabfillnum{##2}}
19326 \fi
19327 }
19328 }
19329 \renewcommand{\newlistentry}[4][\@empty]{%
19330 \@ifundefined{c@#2}{% check & set the counter
19331 \ifx \@empty#1\relax
19332 \newcounter{#2}
19333 \else
19334 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19335 {#1 has no counter for use as a `within'}
19336 \newcounter{#2}}%
19337 {\newcounter{#2}[#1}%

```



```

19338     \expandafter\edef\csname the#2\endcsname{%
19339         \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
19340     \fi
19341     \setcounter{#2}{0}
19342 }
19343 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19344
19345 \@namedef{l@#2}##1##2{%
19346     \ifnum \@nameuse{c@#3depth} > #4\relax
19347         \vskip \@nameuse{cftbefore#2skip}
19348         {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}}\relax
19349         \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19350         \parfillskip -\if@RTL\leftskip\else\righskip\fi
19351         \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19352         \interlinepenalty\M
19353         \leavevmode
19354         \@tempdima \@nameuse{cft#2numwidth}\relax
19355         \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19356         \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19357         \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19358         \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
19359         {\@nameuse{cft#2font}}##1\nobreak
19360         \@nameuse{cft#2fillnum}{##2}
19361     \fi
19362 } % end of l@#2
19363
19364 \expandafter\newlength\csname cftbefore#2skip\endcsname
19365 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19366 \expandafter\newlength\csname cft#2indent\endcsname
19367 \expandafter\newlength\csname cft#2numwidth\endcsname
19368 \ifcase #4\relax % 0
19369     \setlength{\@nameuse{cft#2indent}}{0em}
19370     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19371 \or % 1
19372     \setlength{\@nameuse{cft#2indent}}{1.5em}
19373     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19374 \or % 2
19375     \setlength{\@nameuse{cft#2indent}}{3.8em}
19376     \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19377 \or % 3
19378     \setlength{\@nameuse{cft#2indent}}{7.0em}
19379     \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19380 \else % anything else
19381     \setlength{\@nameuse{cft#2indent}}{10.0em}
19382     \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19383 \fi
19384 \@namedef{cft#2font}{\normalfont}
19385 \@namedef{cft#2presnum}{}
19386 \@namedef{cft#2aftersnum}{}
19387 \@namedef{cft#2aftersnumb}{}

```



```

19388 \@namedef{cft#2dotsep}{\cftdotsep}
19389 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}%
19390 \@namedef{cft#2pagefont}{\normalfont}
19391 \@namedef{cft#2afterpnum}{%
19392   \@namedef{toclevel@#2}{#4}
19393   \@namedef{cft#2fillnum}##1{%
19394     {\@nameuse{cft#2leader}}\nobreak
19395     \hb@xt@{\pnumwidth{\hfil\@nameuse{cft#2pagefont}}##1}\@nameuse{cft#2afterpnum}\par}
19396 } % end \newlistentry
19397 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
19398   {\ifRTL\righskip\else\leftskip\fi \cftchapindent\relax
19399   \advance\ifRTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19400   \ifRTL\leftskip\else\righskip\fi \tocrmarg\relax
19401   \textit{#1}\protect\par}}}%

```

## 122 File tocbasic-xetex-bidi.def

```

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

```





```

19435 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19436 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19437 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19438 \scr@ifundefinedorrelax{1@chapter}{%
19439 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19440 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19441 \ifstr{#1}{subsubsection}{%
19442 \@namedef{scr@tso@#1@indent}{3.8em}%
19443 }{%
19444 \ifstr{#1}{paragraph}{%
19445 \@namedef{scr@tso@#1@indent}{7em}%
19446 }{%
19447 \ifstr{#1}{subparagraph}{%
19448 \@namedef{scr@tso@#1@indent}{10em}%
19449 }{%
19450 }%
19451 }%
19452 }%
19453 }%
19454 }%
19455 }{%
19456 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19457 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19458 \ifstr{#1}{subsubsection}{%
19459 \@namedef{scr@tso@#1@indent}{7.0em}%
19460 }{%
19461 \ifstr{#1}{paragraph}{%
19462 \@namedef{scr@tso@#1@indent}{10em}%
19463 }{%
19464 \ifstr{#1}{subparagraph}{%
19465 \@namedef{scr@tso@#1@indent}{12em}%
19466 }{%
19467 }%
19468 }%
19469 }%
19470 }%
19471 }%
19472 }%
19473 }%
19474 }%
19475 }%
19476 }%
19477 }{%
19478 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19479 }%
19480 }{}%
19481 \@ifundefined{scr@tso@#1@numwidth}{%
19482 \@ifundefined{scr@#1@tocnumwidth}{%
19483 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19484 \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%

```



```

19485 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19486 \scr@ifundefinedorrelax{chapter}{%
19487 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19488 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19489 \ifstr{#1}{subsubsection}{%
19490 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19491 }{%
19492 \ifstr{#1}{paragraph}{%
19493 \@namedef{scr@tso@#1@numwidth}{4.1em}%
19494 }{%
19495 \ifstr{#1}{subparagraph}{%
19496 \@namedef{scr@tso@#1@numwidth}{5m}%
19497 }{%
19498 }%
19499 }%
19500 }%
19501 }%
19502 }%
19503 }{%
19504 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19505 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19506 \ifstr{#1}{subsubsection}{%
19507 \@namedef{scr@tso@#1@numwidth}{3.1em}%
19508 }{%
19509 \ifstr{#1}{paragraph}{%
19510 \@namedef{scr@tso@#1@numwidth}{5em}%
19511 }{%
19512 \ifstr{#1}{subparagraph}{%
19513 \@namedef{scr@tso@#1@numwidth}{6em}%
19514 }{%
19515 }%
19516 }%
19517 }%
19518 }%
19519 }%
19520 }%
19521 }%
19522 }%
19523 }%
19524 }{%
19525 \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19526 }%
19527 }{}%
19528 }]{%
19529 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19530 \ifnum \@nameuse{#1tocdepth}<\@ne
19531 \scr@ifundefinedorrelax{chapter}{%
19532 \addpenalty\@secpenalty
19533 \addvspace{1.0em \@plus\p@}%
19534 }{%

```



```

19535      \addpenalty{-\@highpenalty}%
19536      \vskip 1.0em \@plus\p@
19537    }%
19538  \else
19539    \addpenalty\@secpenalty
19540    \addvspace{1.0em \@plus\p@}%
19541  \fi
19542  \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19543  \begingroup
19544    \parindent \z@ \bidi@rightskip \@pnumwidth
19545    \parfillskip -\@pnumwidth
19546    \leavevmode
19547    \bfseries
19548    \advance\bidi@leftskip\@tempdima
19549    \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19550    \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19551    ##1%
19552    \nobreak
19553    \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19554    \par
19555    \penalty\@highpenalty
19556  \endgroup
19557 \fi
19558 }
19559
19560 \bidi@undef\scr@dte@def@l@largetocline
19561 \bidi@undef\scr@dte@largetocline@init
19562 \DeclareTOCEntryStyle{largetocline}[%
19563   \DefineTOCEntryLengthOption{indent}%
19564   {scr@tso@}{@indent}{entry indent}%
19565   \@ifundefined{#1tocdepth}{%
19566     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19567       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19568         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19569           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19570             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19571               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19572                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19573                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19574                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19575                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
19576                         \csname #1numdepth\endcsname
19577                     }%
19578                   }%
19579                 }%
19580               }%
19581             }%
19582           }%
19583         }%
19584       }%

```



```

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

```



```

19635 }{}%
19636 }}{%
19637 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19638 \ifnum \@nameuse{#1tocdepth}<\@ne
19639 \scr@ifundefinedorrelax{chapter}{%
19640 \addpenalty\@secpenalty
19641 \addvspace{2.25em \@plus\p@}%
19642 }{%
19643 \addpenalty{-\@highpenalty}%
19644 \addvspace{2.25em \@plus\p@}%
19645 }%
19646 \else
19647 \addpenalty\@secpenalty
19648 \addvspace{2.25em \@plus\p@}%
19649 \fi
19650 \setlength\@tempdima{3em}%
19651 \begingroup
19652 \parindent \z@ \bidi@rightskip \@pnumwidth
19653 \parfillskip -\@pnumwidth
19654 \leavevmode
19655 \large
19656 \bfseries
19657 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19658 ##1%
19659 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19660 \par
19661 \nobreak
19662 \ifnum 0=
19663 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19664 \global\@nobreaktrue
19665 \everypar{\global\@nobreakfalse\everypar{}}%
19666 \fi
19667 \endgroup
19668 \fi
19669 }
19670
19671 \renewcommand*{\scr@dte@tocline}[3]{%
19672 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19673 \else
19674 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19675 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19676 {%
19677 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19678 \bidi@rightskip \@tocrmarg
19679 \parfillskip -\bidi@rightskip
19680 \@nameuse{Ifscr@tso@#1@raggedpage}{%
19681 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19682 }{}%
19683 \parindent \@nameuse{scr@tso@#1@indent}\relax
19684 \@afterindenttrue

```



```

19685 \interlinepenalty\@M
19686 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19687 \addtolength\@bidi@rightskip\@flushglue
19688 \else
19689 \def\reserved@a{\raggedright}%
19690 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19691 \addtolength\@bidi@rightskip\@flushglue
19692 \else
19693 \renewcommand\reserved@a{\raggedright}%
19694 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19695 \addtolength\@bidi@rightskip\@flushglue
19696 \fi
19697 \fi
19698 \fi
19699 \leavevmode
19700 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19701 \@nameuse{Ifscr@tso@#1@dynnumwidth}{\%
19702 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{\%
19703 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19704 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19705 \fi
19706 }%
19707 }{}%
19708 \advance\@bidi@leftskip \@tempdima
19709 \null\nobreak\hskip -\@bidi@leftskip
19710 {%
19711 \usetocbasicnumberline
19712 \let\scr@dte@numberline@box\numberline@box
19713 \def\numberline@box##1{%
19714 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19715 \global\scr@dte@tocline@numberwidth
19716 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19717 \ifdim \scr@dte@tocline@numberwidth
19718 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19719 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19720 \fi
19721 \@nameuse{Ifscr@tso@#1@dynnumwidth}{\%
19722 \ifdim \scr@dte@tocline@numberwidth
19723 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19724 +\@nameuse{scr@tso@#1@numsep}\relax
19725 \PackageWarning{tocbasic}%
19726 }{%
19727 number width of #1 toc entries should be
19728 increased!\MessageBreak
19729 Currently used number width =
19730 \the\wd\scr@dte@tocline@numbox,\MessageBreak
19731 Wanted number separation
19732 \space\space\space =
19733 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19734 Reserved number width \space\space\space\space\space =

```



```

19735         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19736     }%
19737     \fi
19738 }%
19739 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
19740 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19741     {\parfillskip\@flushglue\par}\nobreak\hskip-\@bidi@leftskip
19742 }{}%
19743 }%
19744 \@nameuse{scr@tso@#1@entryformat}{%
19745     #2%
19746     \nobreak
19747     {%
19748         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
19749         \nobreak
19750         \@nameuse{scr@tso@#1@pagenumberbox}{%
19751             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
19752         }%
19753     }%
19754     \@par
19755 }%
19756 }%
19757 }%
19758 \tocbasic@SetPenaltyByTOCLevel{#1}%
19759 \fi
19760 }
19761
19762 \bidi@undef\scr@dte@def@l@tocline
19763 \bidi@undef\scr@dte@tocline@init
19764 \DeclareTOCEntryStyle{tocline}[{%
19765     \DefineTOCEntryLengthOption{beforeskip}%
19766     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19767     \DefineTOCEntryIfOption{breakafternumber}%
19768     {scr@tso@}{@breakafternumber}{line break after number flag}%
19769     \DefineTOCEntryIfOption{dynnumwidth}%
19770     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19771     \DefineTOCEntryCommandOption{entryformat}%
19772     {scr@tso@}{@entryformat}[1]{entry format}%
19773     \DefineTOCEntryCommandOption{entrynumberformat}%
19774     {scr@tso@}{@numberformat}[1]{entry number format}%
19775     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19776     {scr@tso@}{@linefill}{filling between text and page number}%
19777     \DefineTOCEntryLengthOption{numsep}%
19778     {scr@tso@}{@numsep}{entry number separation}%
19779     \DefineTOCEntryCommandOption{onstarthigherlevel}%
19780     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19781     \DefineTOCEntryCommandOption{onstartlowerlevel}%
19782     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19783     \DefineTOCEntryCommandOption{onstartsamelevel}%
19784     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%

```



```

19785 \DefineTOCEntryCommandOption{pagenumberbox}%
19786   {scr@tso@}{@pagenumberbox}[1]{page number box}%
19787 \DefineTOCEntryCommandOption{pagenumberformat}%
19788   {scr@tso@}{@pagenumberformat}[1]{page number format}%
19789 \DefineTOCEntryOption{raggedentrytext}[true]{%
19790   \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19791   \ifx\FamilyKeyState\FamilyKeyStateProcessed
19792     \if@tempswa
19793       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19794       \raggedright
19795     \else
19796       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19797       \relax
19798     \fi
19799   \fi
19800 }%
19801 \DefineTOCEntryIfOption{raggedpagenumber}%
19802   {scr@tso@}{@raggedpage}{page number ragged flag}%
19803 \DefineTOCEntryLengthOption{indent}%
19804   {scr@tso@}{@indent}{entry indent}%
19805 \DefineTOCEntryLengthOption{numwidth}%
19806   {scr@tso@}{@numwidth}{entry number width}%
19807 \scr@ifundefinedorrelax{#1tocdepth}{%
19808   \ifstrstart{#1}{sub}{%
19809     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19810       \expandafter\edef\csname #1tocdepth\endcsname{%
19811         \the\numexpr \noexpand\nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19812       }%
19813     }%
19814   }{}%
19815 }{}%
19816 \@ifundefined{#1tocdepth}{%
19817   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19818     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19819       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19820         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19821           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19822             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19823               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19824                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19825                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19826                     \expandafter\let\csname #1tocdepth\endcsname
19827                     \csname #1numdepth\endcsname
19828                   }%
19829                 }%
19830               }%
19831             }%
19832           }%
19833         }%
19834       }%

```





```

19835     }%
19836   }%
19837 }{}%
19838 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19839   \@ifundefined{scr@#1@tocindent}{%
19840     \ifstrstart{#1}{sub}{%
19841       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19842         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%}{%
19843           \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19844             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19845             \relax
19846           }%
19847         }%
19848       }{%
19849         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19850           \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19851             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19852             \relax
19853           }%
19854         }{%
19855           \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19856             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19857               +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19858             \relax
19859           }%
19860         }%
19861       }%
19862     }{}%
19863   }{%
19864     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19865   }%
19866 }{}%
19867 \@ifundefined{scr@tso@#1@indent}{%
19868   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19869     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19870       \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19871         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19872           \scr@ifundefinedorrelax{l@chapter}{%
19873             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19874               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19875                 \ifstr{#1}{subsubsection}{%
19876                   \@namedef{scr@tso@#1@indent}{3.8em}%
19877                 }%
19878               \ifstr{#1}{paragraph}{%
19879                 \@namedef{scr@tso@#1@indent}{7em}%
19880               }{%
19881                 \ifstr{#1}{subparagraph}{%
19882                   \@namedef{scr@tso@#1@indent}{10em}%
19883                 }{%
19884                   }%

```



```

19885         }%
19886     }%
19887 }%
19888 }%
19889 }{%
19890     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19891         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19892             \ifstr{#1}{subsubsection}{%
19893                 \@namedef{scr@tso@#1@indent}{7.0em}%
19894             }{%
19895                 \ifstr{#1}{paragraph}{%
19896                     \@namedef{scr@tso@#1@indent}{10em}%
19897                 }{%
19898                     \ifstr{#1}{subparagraph}{%
19899                         \@namedef{scr@tso@#1@indent}{12em}%
19900                     }{%
19901                         }%
19902                     }%
19903                 }%
19904             }%
19905         }%
19906     }%
19907 }%
19908 }%
19909 }%
19910 }%
19911 }{}%
19912 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19913     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19914         \ifstrstart{#1}{sub}{%
19915             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19916             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19917                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19918                 +.9em%
19919             }%
19920         }%
19921     }%
19922 }{}%
19923 }{%
19924     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19925 }%
19926 }{}%
19927 \@ifundefined{scr@tso@#1@numwidth}{%
19928     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19929     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19930     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19931         \scr@ifundefinedorrelax{chapter}{%
19932             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19933                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19934                     \ifstr{#1}{subsubsection}{%

```



```

19935         \@namedef{scr@tso@#1@numwidth}{3.2em}%
19936     }{%
19937         \ifstr{#1}{paragraph}{%
19938             \@namedef{scr@tso@#1@numwidth}{4.1em}%
19939         }{%
19940             \ifstr{#1}{subparagraph}{%
19941                 \@namedef{scr@tso@#1@numwidth}{5em}%
19942             }{%
19943                 }%
19944             }%
19945         }%
19946     }%
19947 }{%
19948 }{%
19949     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19950         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19951             \ifstr{#1}{subsubsection}{%
19952                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
19953             }{%
19954                 \ifstr{#1}{paragraph}{%
19955                     \@namedef{scr@tso@#1@numwidth}{5em}%
19956                 }{%
19957                     \ifstr{#1}{subparagraph}{%
19958                         \@namedef{scr@tso@#1@numwidth}{6em}%
19959                     }{%
19960                         }%
19961                     }%
19962                 }%
19963             }%
19964         }%
19965     }%
19966 }%
19967 }%
19968 }%
19969 }{}%
19970 \expandafter\renewcommand%
19971 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19972 \expandafter\renewcommand%
19973 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19974 \expandafter\renewcommand%
19975 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19976 \@ifundefined{scr@tso@#1@beforeskip}{%
19977     \ifstr{#1}{part}{%
19978         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19979     }{%
19980         \ifstr{#1}{chapter}{%
19981             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19982         }{%
19983             \ifstr{#1}{section}{%
19984                 \scr@ifundefinedorrelax{1@chapter}{%

```



```

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

```



```

20035         \expandafter\renewcommand%
20036         \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20037     }%
20038 }%
20039 }{}%
20040 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
20041 \ifstr{#1}{part}{%
20042     \expandafter\renewcommand%
20043     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
20044 }{%
20045     \expandafter\renewcommand%
20046     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20047         {\normalfont\normalcolor ##1}}%
20048 }%
20049 \expandafter\renewcommand%
20050 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
20051     \hb@xt@{\@pnumwidth}{\hfil ##1}}%
20052 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
20053 }}{%
20054     \scr@dte@tocline{#1}{##1}{##2}%
20055 }
20056

```

## 123 File tocstyle-xetex-bidi.def

```

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

```



```

20082 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20083 \ifnum #1>\z@\relax
20084   \@tempcnta #1\relax \advance\@tempcnta \m@ne
20085   \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20086     \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20087       \@tempdimb
20088       \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20089       \advance\@tempdimb
20090       \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20091     \fi
20092   \fi
20093 \fi
20094 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20095 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20096   \ifdim \@tempdimb>
20097     \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20098     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20099       @#1\endcsname{\the\@tempdimb}%
20100   \fi
20101 \else
20102   \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20103     @#1\endcsname{\the\@tempdimb}%
20104 \fi
20105 \iftocstyle@autolength
20106   \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20107     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20108     \relax
20109   \fi
20110   \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20111     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20112     \relax
20113   \fi
20114   \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20115   \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20116 \else
20117   \@tempdimb #2\relax
20118   \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20119 \fi
20120 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20121   \ifdim \@tempdima>
20122     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20123     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20124       @\endcsname{\the\@tempdima}%
20125   \fi
20126 \else
20127   \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20128     @\endcsname{\the\@tempdima}%
20129 \fi
20130 \ifcase\tocstyle@indentstyle\relax\else
20131   \@tempdimb \z@

```



```

20132     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20133     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20134     \relax
20135     \fi
20136     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20137     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20138     \fi
20139     \advance\parindent \@tempdimb\@afterindenttrue
20140     \advance\if@RTL\rightskip\else\leftskip\fi \parindent
20141     \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
20142     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20143     \ifx\tocstyle@feature@parfillskip\relax\else
20144     \advance\parfillskip \tocstyle@feature@parfillskip\relax
20145     \fi
20146     \interlinepenalty\@M
20147     \leavevmode
20148     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
20149     \null\nobreak
20150     \iftocstyle@indentnotnumbered\else
20151     \hskip -\if@RTL\rightskip\else\leftskip\fi
20152     \fi
20153     \tocstyle@feature@entryhook
20154     {#4}\nobreak
20155     \ifx\tocstyle@feature@leaders\relax
20156     \leaders\hbox{$\m@th
20157     \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
20158     \mkern \@dotsep mu$}\hfill
20159     \else
20160     \tocstyle@feature@leaders
20161     \fi
20162     \nobreak
20163     \ifx\tocstyle@feature@pagenumberbox\relax
20164     \hbxt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
20165     \else
20166     \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20167     \fi
20168     \par
20169     }%
20170     \iftocstyle@penalties
20171     \bgroup
20172     \@tempcnta 20009
20173     \advance\@tempcnta by -#1
20174     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
20175     \reserved@a
20176     \fi
20177     \fi}
20178 \renewcommand*{\tocstyle@numberline}[1]{%
20179 \begingroup
20180 \ifx\tocstyle@feature@spaceafternumber\relax
20181 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%

```



```

20182 \else
20183 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
20184 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20185 \fi
20186 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20187 \ifdim \@tempdima >
20188 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20189 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20190 @\tocstyledepth\endcsname{\the\@tempdima}%
20191 \fi
20192 \else
20193 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20194 @\tocstyledepth\endcsname{\the\@tempdima}%
20195 \fi
20196 \endgroup
20197 \iftocstyle@indentnotnumbered
20198 \hskip -\if@RTL\rightskip\else\leftskip\fi
20199 \fi
20200 \ifcase \tocstyle@indentstyle
20201 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
20202 \or
20203 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
20204 \else
20205 \ifx\tocstyle@feature@spaceafternumber\relax
20206 \hbox{\tocstyle@numberline{#1}\enskip}%
20207 \else
20208 \hbox{\tocstyle@numberline{#1}\hskip
20209 \tocstyle@feature@spaceafternumber\relax}%
20210 \fi
20211 \fi
20212 }
20213 \AtBeginDocument{%
20214 \ifcsname l@part\endcsname
20215 \ifcsname l@chapter\endcsname
20216 \setbox\@tempboxa\vbox{\hsize\maxdimen
20217 \l@part{\tocstyle@l@define{part}{-1}}{}}%
20218 \else
20219 \setbox\@tempboxa\vbox{\hsize\maxdimen
20220 \l@part{\tocstyle@l@define{part}{0}}{}}%
20221 \fi
20222 \fi
20223 \ifcsname l@chapter\endcsname
20224 \setbox\@tempboxa\vbox{\hsize\maxdimen
20225 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
20226 \fi
20227 \ifcsname l@section\endcsname
20228 \setbox\@tempboxa\vbox{\hsize\maxdimen
20229 \l@section{\tocstyle@l@define{section}{1}}{}}%
20230 \fi
20231 \ifcsname l@subsection\endcsname

```





```

20232 \setbox\@tempboxa\vbox{\hsize\maxdimen
20233 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
20234 \fi
20235 \ifcsname l@subsubsection\endcsname
20236 \setbox\@tempboxa\vbox{\hsize\maxdimen
20237 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
20238 \fi
20239 \ifcsname l@paragraph\endcsname
20240 \setbox\@tempboxa\vbox{\hsize\maxdimen
20241 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
20242 \fi
20243 \ifcsname l@subparagraph\endcsname
20244 \setbox\@tempboxa\vbox{\hsize\maxdimen
20245 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
20246 \fi
20247 \ifcsname l@table\endcsname
20248 \setbox\@tempboxa\vbox{\hsize\maxdimen
20249 \l@table{\tocstyle@l@define{table}{1}}{}}%
20250 \fi
20251 \ifcsname l@figure\endcsname
20252 \setbox\@tempboxa\vbox{\hsize\maxdimen
20253 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
20254 \fi
20255 \def\@tempa#1#2#3#4#5{%
20256 \ifnum #1>\c@tocdepth \else
20257 \vskip \z@ \@plus.2\p@
20258 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
20259 \parindent #2\relax\@afterindenttrue
20260 \interlinepenalty\@M
20261 \leavevmode
20262 \@tempdima #3\relax
20263 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
20264 {#4}\nobreak
20265 \leaders\hbox{$\m@th
20266 \mkern \dotsep mu\hbox{.}\mkern \dotsep
20267 mu$}\hfill
20268 \nobreak
20269 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
20270 \par}%
20271 \fi}%
20272 \ifx\@dottedtocline\@tempa\else
20273 \tocstyle@macrochangewarning\@dottedtocline
20274 \fi
20275 \let\tocstyle@saved@dottedtocline\@dottedtocline
20276 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
20277 \ifx\numberline\@tempa\else
20278 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
20279 \ifx\numberline\@tempa\else
20280 \tocstyle@macrochangewarning\numberline
20281 \fi

```



```

20282 \fi
20283 \let\tocstyle@saved@numberline\numberline
20284 }
20285 \renewcommand*{\tocstyle@l@define}[2]{%
20286 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
20287 \edef\@tempa{%
20288 \noexpand\global\noexpand\let
20289 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20290 \expandafter\noexpand\csname l@#1\endcsname
20291 \noexpand\gdef
20292 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20293 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20294 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@{
20295 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20296 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20297 }%
20298 }%
20299 \PackageInfo{tocstyle}{prepare \expandafter\string
20300 \csname l@#1\endcsname\space for redefinition}%
20301 \@tempa
20302 }

```

## 124 File todonotes-xetex-bidi.def

```

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

```



```

20329         \if@todonotes@authorgiven%
20330             {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20331         \else%
20332             {\noindent \@todonotes@sizecommand \@todonotes@text}%
20333         \fi
20334         {\par\noindent\begin{tikzpicture}[remember picture]%
20335             \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20336     \else%
20337         {\par\noindent\begin{tikzpicture}[remember picture]%
20338             \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20339             \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al.
20340                 \if@todonotes@authorgiven%
20341                     {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20342                 \else%
20343                     {\noindent \@todonotes@sizecommand \@todonotes@text}%
20344                 \fi};%
20345             \end{tikzpicture}\par}%
20346     \fi}%
20347 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20348 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20349     \node [coordinate] (inText) {};%
20350 \end{tikzpicture}%
20351 \marginpar[{\% Draw note in left margin
20352     \@todonotes@drawMarginNote%
20353     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20354 }]{\% Draw note in right margin
20355     \@todonotes@drawMarginNote%
20356     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20357 }%
20358 }%
20359 \renewcommand{\@todonotes@drawMarginNote}{\%
20360 \if@todonotes@dviStyle%
20361     \begin{tikzpicture}[remember picture]%
20362         \draw node[notestyle] {};%
20363     \end{tikzpicture}\\%
20364     \begin{minipage}{\@todonotes@textwidth}%
20365         \if@todonotes@authorgiven%
20366             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20367         \else%
20368             \@todonotes@sizecommand \@todonotes@text%
20369         \fi%
20370     \end{minipage}\\%
20371     \begin{tikzpicture}[remember picture]%
20372         \draw node[notestyle] (inNote) {};%
20373     \end{tikzpicture}%
20374 \else%
20375     \let\originalHbadness\hbadness%
20376     \hbadness 100000%
20377     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20378         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%

```



```

20379      \node(X){\vphantom{X}};%
20380      \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20381      {\@todonotes@text};%
20382      \if@todonotes@authorgiven%
20383          \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand\@todonotes@author};%
20384          {\@todonotes@sizecommand\@todonotes@author};%
20385          \node(Y)[below=of X]{};%
20386          \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20387          {\@todonotes@text};%
20388      \else%
20389          \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20390          {\@todonotes@text};%
20391      \fi%
20392      \end{tikzpicture}%
20393      \hbadness \originalHbadness%
20394 \fi}%
20395 \renewcommand{\missingfigure}[2][]{%
20396 \setkeys{todonotes}{#1}%
20397 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20398 \par
20399 \noindent
20400 \begin{tikzpicture}
20401 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20402     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20403 \if@bidi@todonotes@figposition@right%
20404 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20405 \fi%
20406 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20407     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20408 \if@bidi@todonotes@figposition@right%
20409 \end{scope}
20410 \begin{scope}[xshift=-3.8cm]
20411 \fi%
20412 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20413 \draw (2, -0.3) node[right, text
20414     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
20415 \if@bidi@todonotes@figposition@right%
20416 \end{scope}
20417 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20418 \fi%
20419 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20420 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20421 \if@bidi@todonotes@figposition@right%
20422 \end{scope}
20423 \fi%
20424 \end{tikzpicture}\hfill
20425 }% Ending \missingfigure command
20426 \fi % Ending \@todonotes@ifdisabled
20427 \presetkeys%
20428 {todonotes}%

```



```

20429 {align=left,%
20430 textdirection=lefttoright,%
20431 figposition=left}{}%

```

## 125 File wrapfig-xetex-bidi.def

```

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

```



```

20476 \kern\@tempdimb \kern\columnsep
20477 \def\@tempa{\hss}% position to left of the gap
20478 \else%
20479 \hss % figure overlaps space to the left
20480 \def\@tempa{\kern\columnsep}% position to left of the gap
20481 \fi%
20482 \else % fig on right
20483 \if@RTL%
20484 \hss
20485 \@tempdima\z@
20486 \def\@tempa{\kern\columnsep}
20487 \else%
20488 \@tempdima\z@ % no left indentation
20489 \kern\@tempdimb \kern\columnsep
20490 \def\@tempa{\hss}% figure overlaps space to the right
20491 \fi%
20492 \fi
20493 \ifdim\@tempdimb<\hsize
20494 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20495 \xdef\WF@adjtlm{\the\@tempdima}%
20496 \else
20497 \xdef\WF@wrapil{\z@ \the\hsize}%
20498 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20499 \fi
20500 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20501 \global\advance\WF@size-\intextsep
20502 \else % \WF@info{Putting \WF@wfname in middle of page}%
20503 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20504 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20505 }% end \hbox to Opt
20506 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20507 \fi}

```

## 126 File xcolor-xetex-bidi.def

```

20508 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeTeX]
20509 \long\def\color@b@x#1#2#3%
20510 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20511 \setbox\z@\hbox{\kern\fbboxsep\setcolor\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20512 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20513 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20514 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
20515 \def\normalcolor{\let\current@color\default@color\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20516 \DeclareRobustCommand\color
20517 {\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
20518 \def\@undeclaredcolor[#1]#2%
20519 {\begingroup
20520 \let\@cls\@empty
20521 \XC@getmodclr12{#1}{#2}{}%
20522 {\ifblendcolors

```



```

20523 \ifx\colorblend\@empty\else
20524 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20525 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
20526 \fi
20527 \fi
20528 \ifconvertcolorsU
20529 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20530 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20531 \fi
20532 \ifmaskcolors
20533 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20534 \let\@mod\XC@mmod
20535 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20536 \expandafter\XC@mul\@tmp,\@clr
20537 \fi
20538 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20539 \expandafter\endgroup\@tmp}}
20540 \def\@declaredcolor#1%
20541 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20542 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20543 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20544 \ifconvertcolorsU\XC@tsttrue\fi
20545 \fi
20546 \ifXC@tst
20547 \expandafter\XC@declaredcolor\else
20548 \expandafter\XC@declaredcolor\fi}
20549 \def\XC@undeclaredcolor#1#2%
20550 {\@ifundefinedmodel{#1}%
20551 {\c@lor@error{model `#1'}}%
20552 {\@nameuse{color@#1}\current@color{#2}}%
20553 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20554 \XC@display\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20555 \def\XC@declaredcolor
20556 {\XC@let\NC\XC@current@color{\string\color\@XC@tmp}%
20557 \edef\current@color{\XC@current@color}%
20558 \XC@display\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20559 \DeclareRobustCommand\bidicolor
20560 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]}
20561 \def\@bidiundeclaredcolor[#1]#2%
20562 {\beginR
20563 \let\@cls\@empty
20564 \XC@getmodclr12{#1}{#2}{}%
20565 {\ifblendcolors
20566 \ifx\colorblend\@empty\else
20567 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20568 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
20569 \fi
20570 \fi
20571 \ifconvertcolorsU
20572 \edef\@tmp{\XC@tgt@mod{\@mod}}%

```



```

20573 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20574 \fi
20575 \ifmaskcolors
20576 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20577 \let\@mod\XC@mmod
20578 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20579 \expandafter\XC@mul\@tmp,\@clr
20580 \fi
20581 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20582 \expandafter\endgroup\@tmp}}
20583 \def\XC@bidiundeclaredcolor#1#2%
20584 {\@ifundefinedmodel{#1}%
20585 {\color@error{model `#1'}}%
20586 {\@nameuse{color@#1}\currentcolor{#2}%
20587 \edef\XC@currentcolor{\noexpand\xcolor@{\currentcolor}{#1}{#2}}%
20588 \XC@display}}
20589 \def\@bidideclaredcolor#1%
20590 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20591 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20592 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20593 \ifconvertcolorsU\XC@tsttrue\fi
20594 \fi
20595 \ifXC@tst
20596 \expandafter\XC@bidideclaredcolor\else
20597 \expandafter\XC@bidideclaredcolor\fi}
20598 \def\XC@bidideclaredcolor
20599 {\XC@split\XC@tmp
20600 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20601 \expandafter\endgroup\@tmp}
20602 \def\XC@bidideclaredcolor
20603 {\XC@let\Nc\XC@currentcolor{\string\color@\XC@tmp}%
20604 \edef\currentcolor{\XC@currentcolor}%
20605 \XC@display}
20606 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20607 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20608 \def\color@fb@x#1#2#3#4%
20609 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
20610 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20611 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```

## 127 File latex-xetex-bidi.def

```

20612 \ProvidesFile{latex-xetex-bidi.def}[2018/10/11 v1.3.6 bidi adaptations for `latex.ltx' for Xe
20613 \newcommand{\TeXeTOn}{\TeXeTstate@ne}
20614 \newcommand{\TeXeTOff}{\TeXeTstate@z@}
20615 \TeXeTOn
20616 \def\bidi@RTL@everypar{{\setbox\z@\lastbox\ifRTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20617 \let\bidi@o@everypar=everypar
20618 \newtoks\bidi@n@everypar
20619 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}

```





```

20620 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20621 \let\everypar=\bidi@n@everypar
20622 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20623 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20624 \protected\def\hboxR{\hbox\bgroup
20625 \everyhbox{%
20626 \aftergroup\egroup
20627 \everyhbox{}}%
20628 \beginR
20629 \@hboxRconstructtrue
20630 \bgroup
20631 \aftergroup\endR
20632 \aftergroup\egroup
20633 }\hbox}
20634 \protected\def\hboxL{\hbox\bgroup
20635 \everyhbox{%
20636 \aftergroup\egroup
20637 \everyhbox{}}%
20638 \beginL
20639 \@hboxRconstructfalse
20640 \bgroup
20641 \aftergroup\endL
20642 \aftergroup\egroup
20643 }\hbox}
20644 \protected\def\vboxR{\vbox\bgroup
20645 \everyvbox{%
20646 \aftergroup\egroup
20647 \everyvbox{}}%
20648 \@RTLtrue
20649 \@RTLtabtrue
20650 \bgroup
20651 \aftergroup\egroup
20652 }\vbox}
20653 \protected\def\vboxL{\vbox\bgroup
20654 \everyvbox{%
20655 \aftergroup\egroup
20656 \everyvbox{}}%
20657 \@RTLfalse
20658 \@RTLtabfalse
20659 \bgroup
20660 \aftergroup\egroup
20661 }\vbox}
20662 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
20663 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
20664 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20665 \def\endLTR{\par}
20666 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20667 \def\endRTL{\par}
20668 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20669 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}

```



```

20670 \let\unsetRTL=\setLTR
20671 \let\unsetLTR=\setRTL
20672 \let\LR=\LRE
20673 \let\RL=\RLE
20674 \def\@ensureRTL#1{\ifRTL#1\else\RLE{#1}\fi}
20675 \def\@ensureLTR#1{\ifRTL\LRE{#1}\else#1\fi}
20676 \let\@ensureRL=\@ensureRTL
20677 \let\@ensureLR=\@ensureLTR
20678 \def\@ensure@dir#1{\ifRTL\RLE{#1}\else{#1}\fi}
20679 \let\@ensure@maindir=\@ensure@dir
20680 \def\@RTL{RTL}
20681 \def\@LTR{LTR}
20682 \def\save@dir{\ifRTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
20683 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi\fi}
20684 \let\@TeX\TeX
20685 \def\TeX{\@ensureLTR{\@TeX}}
20686 \let\@LaTeX\LaTeX
20687 \def\LaTeX{\@ensureLTR{\@LaTeX}}
20688 \let\@LaTeXe\LaTeXe
20689 \def\LaTeXe{\@ensureLTR{\@LaTeXe}}
20690 \long\def\@bidi@reflect@box#1{%
20691   \leavevmode
20692   \setbox\z@\hbox{#1}%
20693   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20694   \hbext@wd\z@\kern\wd\z@\box\tw@\hss}%
20695 }
20696 \bidi@newrobustcmd*\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20697   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20698 \bidi@newrobustcmd*\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20699   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
20700 \let\setRL=\setRTL
20701 \let\setLR=\setLTR
20702 \let\unsetRL=\setLTR
20703 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20704 \ifpackageloaded{array}{%
20705 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20706   \leavevmode
20707   \hbox \bgroup $\left.\col@sep\tabcolsep \let\d@llarbegin\begin\group
20708   \let\d@llarend\end\group
20709   \@tabarray}
20710 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20711 }{%
20712 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20713   \leavevmode \hbox \bgroup
20714   $\left.\let\@acol\@tabacol
20715   \let\@classz\@tabclassz
20716   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20717
20718 \def\endbidi@tabular@RTLcases{\crrc\egroup\ifRTLtab\egroup\endR\egroup\fi
20719   \egroup\right\rbrace $\egroup}}

```



```

20720 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20721 \ialign{##\hfil$\quad{##}\hfil\crr#1\crr}}\,,\right\}}
20722 \renewenvironment{RTLcases}{%
20723 \bidi@matrix@check\RTLcases\env@RTLcases
20724 }{%
20725 \endbidi@tabular@RTLcases%
20726 }
20727 \def\env@RTLcases{%
20728 \let\@ifnextchar\bidi@new@ifnextchar
20729 \def\arraystretch{1.2}%
20730 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
20731 }
20732 \def\SepMark#1{\gdef\@SepMark{#1}}
20733 \SepMark{.}
20734 \def\@thmcountersep{\@SepMark}
20735 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20736 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20737 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20738 \newcommand*{\bidi@thebibliography@font@hook}{}
20739 \def\list#1#2{%
20740 \ifnum \@listdepth >5\relax
20741 \toodeep
20742 \else
20743 \global\advance\@listdepth\@ne
20744 \fi
20745 \rightmargin\z@
20746 \listparindent\z@
20747 \itemindent\z@
20748 \csname @list\romannumeral\the\@listdepth\endcsname
20749 \def\@itemlabel{#1}%
20750 \let\makelabel\@mklab
20751 \@nmbrlistfalse
20752 #2\relax
20753 \@trivlist
20754 \parskip\parsep
20755 \parindent\listparindent
20756 \advance\linewidth -\rightmargin
20757 \advance\linewidth -\leftmargin
20758 \if@bidi@list@minipage@parbox
20759 \if@RTL
20760 \advance\@totalleftmargin \leftmargin
20761 \else
20762 \advance\@totalleftmargin \rightmargin
20763 \fi
20764 \else
20765 \if@hboxRconstruct
20766 \if@bidi@list@minipage@parbox@not@nob
20767 \if@RTL
20768 \advance\@totalleftmargin \rightmargin
20769 \else

```



```

20770 \advance\@totalleftmargin \leftmargin
20771 \fi
20772 \else
20773 \if@RTL
20774 \advance\@totalleftmargin \leftmargin
20775 \else
20776 \advance\@totalleftmargin \rightmargin
20777 \fi\fi
20778 \else
20779 \if@RTL
20780 \advance\@totalleftmargin \rightmargin
20781 \else
20782 \advance\@totalleftmargin \leftmargin
20783 \fi\fi\fi
20784 \parshape \@ne \@totalleftmargin \linewidth
20785 \ignorespaces}
20786 \long\def\@iiiparbox#1#2[#3]#4#5{%
20787 \leavevmode
20788 \@pboxswfalse
20789 \if@hboxRconstruct
20790 \@bidi@list@minipage@parbox@not@nobtrue
20791 \fi
20792 \if@RTL
20793 \ifx#1t%
20794 \@bidi@list@minipage@parboxtrue
20795 \else
20796 \ifx#1b%
20797 \@bidi@list@minipage@parboxtrue
20798 \fi
20799 \fi
20800 \fi
20801 \setlength\@tempdima{#4}%
20802 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
20803 \ifx\relax#2\else
20804 \setlength\@tempdimb{#2}%
20805 \edef\@parboxto{to\the\@tempdimb}%
20806 \fi
20807 \if#1b\vbox
20808 \else\if #1t\top
20809 \else\ifmmode\vcenter
20810 \else\@pboxswtrue $\vcenter
20811 \fi\fi\fi
20812 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20813 \csname bm#3\endcsname}%
20814 \if@pboxsw \m@th$\fi
20815 \@end@tempboxa}
20816 \newenvironment{LTRitems}
20817 {\par\@RTLfalse\@RTLtabfalse
20818 \if@bidi@list@minipage@parbox
20819 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth

```



```

20820         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20821         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20822         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20823         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
20824         \ignorespaces}\{\vskip\z@}
20825 \newenvironment{RTLitems}
20826     {\par\@RTLtrue\@RTLtabtrue
20827     \if@bidi@list@minipage@parbox
20828     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20829     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20830     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20831     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20832     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20833     \ignorespaces}\{\vskip\z@}
20834 \newenvironment{LTRbibitems}
20835     {\par\@RTLfalse\@RTLtabfalse
20836     \if@bidi@list@minipage@parbox
20837     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20838     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20839     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20840     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20841     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
20842     \ignorespaces}\{\vskip\z@}
20843 \newenvironment{RTLbibitems}
20844     {\par\@RTLtrue\@RTLtabtrue
20845     \if@bidi@list@minipage@parbox
20846     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20847     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20848     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20849     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20850     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20851     \ignorespaces}\{\vskip\z@}
20852 \def\raggedright{%
20853     \let\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20854     \leftskip\z@skip
20855     \parindent\z@\parfillskip\z@skip}
20856 \let\@bidi@orig@raggedleft\raggedleft
20857 \let\@bidi@orig@raggedright\raggedright
20858 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRcons
20859 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRcons
20860 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20861 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20862 \def\centerline#1{%
20863 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20864 \else\@@line{\hss#1\hss}\fi}
20865 \def\leftline#1{%
20866 \if@RTL\@@line{\beginR#1\endR\hss}
20867 \else\@@line{#1\hss}\fi}
20868 \def\rightline#1{%
20869 \if@RTL\@@line{\hss\beginR#1\endR}

```



```

20870 \else\@line{\hss#1}\fi}
20871 \let\bidiorig@leftline\leftline
20872 \let\bidiorig@rightline\rightline
20873 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\i
20874 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
20875 \def\bidirlap#1{\hb@xt@{z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20876 \def\bidillap#1{\hb@xt@{z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20877 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20878 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20879 \def\narrower{%
20880 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20881 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20882 \def\underline#1{%
20883 \relax
20884 \ifmmode\@underline{#1}%
20885 \else
20886 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20887 \else
20888 $\@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20889 \ifcompatibility
20890 \let\undertext=\underline
20891 \fi
20892 \def\@tabular{%
20893 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20894 $\let\@acol\@tabacol
20895 \let\@classz\@tabclassz
20896 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20897 \def\endtabular{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
20898 \egroup $\if@RTLtab\endR\fi\egroup}
20899 \expandafter \let \csname endtabular*\endcsname = \endtabular
20900 \def\@array[#1]#2{%
20901 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20902 \bgroup
20903 \setbox\@arstrutbox\hbox{%
20904 \vrule \@height\arraystretch\ht\strutbox
20905 \@depth\arraystretch \dp\strutbox
20906 \@width\z@}%
20907 \mkpream{#2}%
20908 \edef\@preamble{%
20909 \ialign \noexpand\@halignto
20910 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20911 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20912 \let\@tabularnewline\%
20913 \let\par\@empty
20914 \let\sharp##%
20915 \set@typeset@protect
20916 \lineskip\z@skip\baselineskip\z@skip
20917 \ifhmode \@preamerr\z@ \@@par\fi
20918 \if@RTLtab\hbox\bgroup\beginR\hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20919 \@preamble}

```



```

20920 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20921 \let\@classiv\@arrayclassiv
20922 \let\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20923 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20924 \ifnum \@lastchclass=3 5 \else
20925 \z@ \if #1c\@chnum \z@ \else
20926 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20927 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20928 \@chclass \if #1|\@ne \else
20929 \if #1@\tw@ \else
20930 \if #1p3 \else \z@ \@preamerr 0\fi
20931 \fi \fi \fi \fi \fi \fi
20932 \fi}
20933 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20934 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20935 \def\bm@t{\unhbox\@tempboxa\hss}
20936 \def\bm@b{\hss\unhbox\@tempboxa}
20937 \def\@dottedtocline#1#2#3#4#5{%
20938 \ifnum #1>\c@tocdepth \else
20939 \vskip \z@ \@plus.2\p@
20940 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
20941 \parindent #2\relax\@afterindenttrue
20942 \interlinepenalty\@M
20943 \leavevmode
20944 \@tempdima #3\relax
20945 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
20946 {#4}\nobreak
20947 \leaders\hbox{$\m@th
20948 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20949 mu$}\hfill
20950 \nobreak
20951 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20952 \par}%
20953 \fi}
20954
20955 \newcount\@bidi@column@check@number
20956
20957 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
20958
20959 \def\@bidi@set@column@status#1#2{%
20960 \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
20961
20962 \if@twocolumn
20963 \newcommand\DetectColumn[3][1]{%
20964 \ifx\@bidi@firstcolumn@status@write\relax
20965 \PackageError{bidi}%
20966 {Option 'DetectColumn' not selected}%
20967 {\string\DetectColumn\space
20968 requires the use of the 'DetectColumn'
20969 option on the package}%

```



```

20970 \fi
20971 \global\advance\bidicolumn@check@number\@ne
20972 \edef\bidicolumn@type{\expandafter\ifx
20973     \csname bidicolumn-\the\bidicolumn@check@number\endcsname\relax
20974     0\else
20975     \csname bidicolumn-\the\bidicolumn@check@number\endcsname
20976     \fi}%
20977 \ifcase \bidicolumn@type\relax
20978     \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20979 \or
20980     #2% % 1 First column
20981 \or
20982     #3% % 2 Second (Last column)
20983 \else
20984     \ERROR
20985 \fi
20986 \edef\next{\write\@auxout
20987     {\string\bidicolumn@status{\bidicolumn-\the\bidicolumn@check@number}}%
20988     {\bidicolumn@type}}}%
20989 \next
20990 }
20991
20992 \AtEndDocument{\def\bidicolumn@status#1#2{%
20993     \ifnum #2=\bidicolumn@current@column@status\else
20994     \@tempwatrue
20995     \fi}%
20996 }
20997 \fi
20998
20999 \def\RTL@outputdblcol{%
21000     \if@firstcolumn
21001         \global\@firstcolumnfalse
21002         \global\setbox\@leftcolumn\copy\@outputbox
21003         \splitmaxdepth\maxdimen
21004         \vbadness\maxdimen
21005         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21006         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21007         \toks@{\expandafter{\topmark}}%
21008         \xdef\@firstcoltopmark{\the\toks@}%
21009         \toks@{\expandafter{\splitfirstmark}}%
21010         \xdef\@firstcolfirstmark{\the\toks@}%
21011         \ifx\@firstcolfirstmark\@empty
21012             \global\let\@setmarks\relax
21013         \else
21014             \gdef\@setmarks{%
21015                 \let\firstmark\@firstcolfirstmark
21016                 \let\topmark\@firstcoltopmark}%
21017         \fi
21018     \else
21019         \global\@firstcolumntrue

```





```

21020 \setbox\@outputbox\vbox{%
21021 \hb@xt@\textwidth{%
21022 \hskip \columnwidth
21023 \hfil
21024 {\normalcolor\vrule \@width\columnseprule}%
21025 \hfil
21026 \hb@xt@\columnwidth{%
21027 \bidi@firstcolumn@status@write%
21028 \box\@leftcolumn \hss}%
21029 \hskip -\textwidth
21030 \hb@xt@\columnwidth{%
21031 \bidi@lastcolumn@status@write%
21032 \box\@outputbox \hss}%
21033 \hskip \columnsep
21034 \hskip \columnwidth }}%
21035 \@combinedblfloats
21036 \@setmarks
21037 \@outputpage
21038 \begingroup
21039 \@dblfloatplacement
21040 \@startdblcolumn
21041 \@whiles\if@fcolmade \fi{\@outputpage
21042 \@startdblcolumn}%
21043 \endgroup
21044 \fi}%
21045
21046 \def\LTR@outputdblcol{%
21047 \if@firstcolumn
21048 \global\@firstcolumnfalse
21049 \global\setbox\@leftcolumn\copy\@outputbox
21050 \splitmaxdepth\maxdimen
21051 \vbadness\maxdimen
21052 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21053 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21054 \toks@\expandafter{\topmark}%
21055 \xdef\@firstcoltopmark{\the\toks@}%
21056 \toks@\expandafter{\splitfirstmark}%
21057 \xdef\@firstcolfirstmark{\the\toks@}%
21058 \ifx\@firstcolfirstmark\@empty
21059 \global\let\@setmarks\relax
21060 \else
21061 \gdef\@setmarks{%
21062 \let\firstmark\@firstcolfirstmark
21063 \let\topmark\@firstcoltopmark}%
21064 \fi
21065 \else
21066 \global\@firstcolumntrue
21067 \setbox\@outputbox\vbox{%
21068 \hb@xt@\textwidth{%
21069 \hb@xt@\columnwidth{%

```



```

21070      \bidi@firstcolumn@status@write%
21071      \box\@leftcolumn \hss}%
21072      \hfil
21073      {\normalcolor\vrule \@width\columnseprule}%
21074      \hfil
21075      \hb@xt@\columnwidth{%
21076      \bidi@lastcolumn@status@write%
21077      \box\@outputbox \hss}}}%
21078 \@combinedblfloats
21079   \@setmarks
21080   \@outputpage
21081   \begingroup
21082   \@dblfloatplacement
21083   \@startdblcolumn
21084   \@whiles\if@fcolmade \fi{\@outputpage
21085   \@startdblcolumn}%
21086   \endgroup
21087 \fi}%
21088
21089
21090 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21091 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21092 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21093
21094 \bidi@patchcmd\@makecol{%
21095   \ifvoid\footins
21096     \setbox\@outputbox \box\@cclv
21097   \else
21098     \setbox\@outputbox \vbox {%
21099       \boxmaxdepth \@maxdepth
21100       \unvbox \@cclv
21101       \vskip \skip\footins
21102       \color@begingroup
21103       \normalcolor
21104       \footnoterule
21105       \unvbox \footins
21106       \color@endgroup
21107     }%
21108   \fi
21109 }{%
21110   \ifvoid\footins
21111     \ifvoid\@bidi@copyins@
21112       \setbox\@outputbox \box\@cclv
21113     \else
21114       \setbox\@outputbox \vbox {%
21115         \boxmaxdepth \@maxdepth
21116         \unvbox \@cclv
21117         \vskip \skip\@bidi@copyins@
21118         \color@begingroup
21119         \normalcolor

```



```

21120         \unvbox \@bidi@copyins@
21121         \color@endgroup
21122     }%
21123     \fi
21124 \else
21125     \setbox\@outputbox \vbox {%
21126         \boxmaxdepth \@maxdepth
21127         \unvbox \@cclv
21128         \vskip \skip\footins
21129         \color@begingroup
21130             \normalcolor
21131             \footnoterule
21132             \unvbox \footins
21133         \color@endgroup
21134         \ifvoid\@bidi@copyins@
21135         \else
21136             \vskip \skip\@bidi@copyins@
21137             \color@begingroup
21138                 \normalcolor
21139                 \unvbox \@bidi@copyins@
21140             \color@endgroup
21141         \fi
21142     }%
21143     \fi
21144 }{}{}
21145
21146 \def\LTRmarginpar{%
21147     \ifhmode
21148         \@bsphack
21149         \@floatpenalty -\@Mii
21150     \else
21151         \@floatpenalty-\@Miii
21152     \fi
21153     \ifinner
21154         \@parmoderr
21155         \@floatpenalty\z@
21156     \else
21157         \@next\@currbox\@freelist{}{}%
21158         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21159         {\@floatpenalty\z@
21160             \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21161     \fi
21162     \@ifnextchar [\@LTRxmpar\@LTRympar}
21163 \long\def\@LTRxmpar[#1]#2{%
21164     \@LTRsavemarbox\@marbox{#1}%
21165     \@LTRsavemarbox\@currbox{#2}%
21166     \@xympar}
21167 \long\def\@LTRympar#1{%
21168     \@LTRsavemarbox\@marbox{#1}%
21169     \global\setbox\@currbox\copy\@marbox

```



```

21170 \@xympar}
21171 \long\def \@LTRsavemarbox #1#2{%
21172   \global\setbox #1%
21173     \color@vbox
21174     \vtop{%
21175       \hsize\marginparwidth
21176       \@parboxrestore
21177       \@LTRmarginparreset
21178       #2%
21179       \@minipagefalse
21180       \outer@nobreak
21181     }%
21182   \color@endbox
21183 }
21184 \def \@LTRmarginparreset {%
21185   \reset@font
21186   \normalsize
21187   \@minipagetrue
21188   \everypar{\@minipagefalse\everypar{}\beginL}%
21189 }
21190 \def\RTLmarginpar{%
21191   \ifhmode
21192     \@bsphack
21193     \@floatpenalty -\@Mii
21194   \else
21195     \@floatpenalty-\@Miii
21196   \fi
21197   \ifinner
21198     \@parmoderr
21199     \@floatpenalty\z@
21200   \else
21201     \@next\@currbox\@freelist{}\}%
21202     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21203     {\@floatpenalty\z@
21204       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21205   \fi
21206   \@ifnextchar [\@RTLxmpar\@RTLympar}
21207 \long\def\@RTLxmpar[#1]#2{%
21208   \@RTLsavemarbox\@marbox{#1}%
21209   \@RTLsavemarbox\@currbox{#2}%
21210   \@xympar}
21211 \long\def\@RTLympar#1{%
21212   \@RTLsavemarbox\@marbox{#1}%
21213   \global\setbox\@currbox\copy\@marbox
21214   \@xympar}
21215 \long\def \@RTLsavemarbox #1#2{%
21216   \global\setbox #1%
21217     \color@vbox
21218     \vtop{%
21219       \hsize\marginparwidth

```



```

21220         \@parboxrestore
21221         \@RTLmarginparreset
21222         #2%
21223         \@minipagefalse
21224         \outer@nobreak
21225     }%
21226     \color@endbox
21227 }
21228 \def \@RTLmarginparreset {%
21229     \reset@font
21230     \normalsize
21231     \@minipagetrue
21232     \everypar{\@minipagefalse\everypar{}\beginR}%
21233 }
21234 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
21235     \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
21236     \if@twocolumn
21237         \if@firstcolumn \@tempcnta\m@ne \fi
21238     \else
21239         \if@mparswitch
21240             \ifodd\c@page \else\@tempcnta\m@ne \fi
21241         \fi
21242         \if@reversemargin \@tempcnta -\@tempcnta \fi
21243     \fi
21244     \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
21245     \@tempdima\@mparbottom
21246     \advance\@tempdima -\@pageht
21247     \advance\@tempdima\ht\@marbox
21248     \ifdim\@tempdima >\z@
21249         \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
21250     \else
21251         \@tempdima\z@
21252     \fi
21253     \global\@mparbottom\@pageht
21254     \global\advance\@mparbottom\@tempdima
21255     \global\advance\@mparbottom\dp\@marbox
21256     \global\advance\@mparbottom\marginparpush
21257     \advance\@tempdima -\ht\@marbox
21258     \global\setbox \@marbox
21259         \vbox {\vskip \@tempdima
21260             \box \@marbox}%
21261     \global \ht\@marbox \z@
21262     \global \dp\@marbox \z@
21263     \kern -\@pagedp
21264     \nointerlineskip
21265     \hb@xt@\columnwidth
21266     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
21267         \hskip\columnwidth \hskip\marginparsep
21268     \else
21269         \hskip -\marginparsep \hskip -\marginparwidth

```



```

21270     \fi
21271     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
21272     \nointerlineskip
21273     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21274 \long\def\@ympar#1{%
21275   \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
21276   \global\setbox\@currbox\copy\@marbox
21277   \@xympar}
21278 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21279 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
21280 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21281 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21282   \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21283   \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21284     \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21285     \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21286     \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
21287 \fi}
21288
21289 \newcommand*{\@bidi@font@@outputpage}{\@}
21290
21291 \def\@outputpage{%
21292   \begingroup           % the \endgroup is put in by \aftergroup
21293   \let \protect \noexpand
21294   \@resetactivechars
21295   \global\let\@@if@newlist\if@newlist
21296   \global\@newlistfalse
21297   \@parboxrestore
21298   \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
21299   \bidi@beforeoutputpageshipouthook
21300   \shipout \vbox{%
21301     \set@typeset@protect
21302     \aftergroup \endgroup
21303     \aftergroup \set@typeset@protect
21304                                     % correct? or just restore by ending
21305                                     % the group?
21306   \if@specialpage
21307     \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
21308   \fi
21309   \if@twoside
21310     \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21311     \if@RTLmain
21312       \let\@themargin\evensidemargin
21313     \else
21314       \let\@themargin\oddsidemargin
21315     \fi
21316   \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21317     \if@RTLmain
21318       \let\@themargin\oddsidemargin
21319     \else

```



```

21320         \let\@themargin\evensidemargin
21321     \fi
21322 \fi
21323 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21324 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21325 \else %% not @twoside
21326 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21327 \ifx\@oddfoot\@empty \let\@thehead\hfil \fi
21328 \fi
21329 \reset@font
21330 \normalsize
21331 \bidi@font@@outputpage
21332 \normalsfcodes
21333 \let\label\@gobble
21334 \let\index\@gobble
21335 \let\glossary\@gobble
21336 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21337 \begin@dv
21338 \vskip \topmargin
21339 \moveright\@themargin \vbox {%
21340     \global\let\bidi@BeforeHeader\@firstofone
21341     \bidi@beforeheaderhook
21342     \setbox\@tempboxa \vbox to\headheight{%
21343         \vfil
21344         \color@hbox
21345             \normalcolor
21346             \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
21347         \color@endbox
21348     }%
21349     \dp\@tempboxa \z@
21350     \box\@tempboxa
21351     \vskip \headsep
21352     \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
21353     \bidi@beforeoutputboxoutputpagehook
21354     \box\@outputbox
21355     \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
21356     \bidi@afteroutputboxoutputpagehook
21357     \global\let\bidi@BeforeFooter\@firstofone
21358     \bidi@beforefooterhook
21359     \baselineskip \footskip
21360     \color@hbox
21361         \normalcolor
21362         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
21363     \color@endbox
21364     \global\let\bidi@AfterFooter\@firstofone
21365     \bidi@afterfooterhook
21366 }%
21367 }%
21368 \global\let\bidi@AfterOutputPageShipOut\@firstofone
21369 \bidi@afteroutputpageshipouthook

```



```

21370 \global\let\if@newlist\@if@newlist
21371 \global \colht \textheight
21372 \stepcounter{page}%
21373 \let\firstmark\botmark
21374 \global\let\bid@AtEndOutputPage\@firstofone
21375 \bid@atendoutputpagehook
21376 }
21377 \long\def\@makecaption#1#2{%
21378 \vskip\abovecaptionskip
21379 \sbox\@tempboxa{#1: #2}%
21380 \ifdim \wd\@tempboxa >\hsize
21381 \ifRTL\beginR\fi#1: #2\ifRTL\endR\fi\par
21382 \else
21383 \global \minipagefalse
21384 \hb@xt@\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}%
21385 \fi
21386 \vskip\belowcaptionskip}
21387 \let\bid@saved@eqno=\eqno
21388 \let\bid@saved@leqno=\leqno
21389 \def\eqno{\ifnum\predisplaydirection<\z@ \bid@saved@leqno \else \bid@saved@eqno \fi}
21390 \def\leqno{\ifnum\predisplaydirection<\z@ \bid@saved@eqno \else \bid@saved@leqno \fi}
21391 \@ifpackageloaded{amsmath}{%
21392 \def\@eqnnum{\normalfont \normalcolor \ifRTL\beginR\fi(\theequation)\ifRTL\endR\fi}}
21393 }
21394 \input{footnote-xetex-bidi.def}
21395 \if@twocolumn
21396 \let\autofootnoterule\relax
21397 \let\leftfootnoterule\relax
21398 \let\rightfootnoterule\relax
21399 \textwidthfootnoterule
21400 \fi
21401 \if@bid@csundef{\@idxitem}{%
21402 \renewcommand\@idxitem{\par\hangindent \ifRTL-\fi40p@}%
21403 }
21404 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21405 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
21406 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21407 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21408 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21409 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21410 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21411 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
21412 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21413 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21414 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21415 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21416 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21417 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
21418 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21419 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}

```





```

21420 \ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21421 \ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21422 \ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21423 \ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21424 \ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21425 \ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21426 \ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21427 \ifclassloaded{book}{\ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
21428 \ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21429 \ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21430 \ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21431 \ifpackageloaded{amsmath}{}%
21432 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21433 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21434 }
21435 \ifpackageloaded{mathtools}{%
21436   \RequirePackage{graphicx}%
21437   \input{mathtools-xetex-bidi.def}%
21438 }{}
21439 \ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21440 \ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21441 \ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21442 \ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21443 \ifpackagewith{algorithm2e}{algonl}{%
21444   \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}
21445 }{}
21446 \ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21447 \ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
21448 \ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
21449 \ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21450 \ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21451 \ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21452 \ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21453 \ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21454 \ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21455 \ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21456 \ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21457 \ifpackageloaded{crop}{\ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
21458 \ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21459 \ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21460 \ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21461 \ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21462 \ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21463 \ifpackageloaded{float}{\ifpackageloaded{floatrow}}{\input{float-xetex-bidi.def}}{}
21464 \ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21465 \ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21466 \ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21467 \ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21468 \ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21469 \ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}

```



```

21470 \ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21471 \ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21472 \ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21473 \ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21474 \ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21475 \ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21476 \ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21477 \ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21478 \ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21479 \ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21480 \ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21481 \ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21482 \ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21483 \ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21484 \ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21485 \ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21486 \ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21487 \ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21488 \ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21489 \ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21490 \ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21491 \ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21492 \ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21493 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21494 \iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21495 \ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21496 \ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21497 \ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21498 \ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21499 \ifpackagewith{sidecap}{innercaption}{%
21500 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21501 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21502 \renewcommand*\SC@justify@caption{%
21503 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21504 \renewcommand*\SC@FLOAT[2]{%
21505 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21506 \renewcommand*\SC@justify@caption{%
21507 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21508 }{}
21509 \ifpackagewith{sidecap}{rightcaption}{%
21510 \if@RTL\renewcommand*\SC@FLOAT[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21511 \def\SC@justify@caption{\RaggedLeft}\else%
21512 \renewcommand*\SC@FLOAT[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21513 \def\SC@justify@caption{\RaggedRight}\fi%
21514 }{}
21515 \ifpackagewith{sidecap}{leftcaption}{%
21516 \if@RTL \renewcommand*\SC@FLOAT[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21517 \def\SC@justify@caption{\RaggedRight}\else%
21518 \renewcommand*\SC@FLOAT[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21519 \def\SC@justify@caption{\RaggedLeft}\fi%

```



```

21520 }{}
21521 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21522 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21523 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21524 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21525 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21526 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21527 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21528 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21529 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21530 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21531 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
21532 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21533 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21534 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21535 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21536 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21537 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21538 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21539 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21540 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21541 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
21542 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21543 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

## 128 File xltextra-xetex-bidi.def

```

21544 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21545 \let\@XeTeX\XeTeX
21546 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21547 \let\@XeLaTeX\XeLaTeX
21548 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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