



# The *bidi Package*

Source documentation for **version 35.9**

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

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<https://github.com/vafa-ac/bidi/issues>

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

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# The *bid* Package

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

Source documentation for [version 35.9](#)

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## 1 File amsart-xetex-bidi.def

```

1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for Xe
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17    \endgroup
18  \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31   \hrule\@width 5pc\kern11p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \@makefnmark%
46     \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
47
48 \long\def\@RTLfootnotetext#1{%

```



```

49 \insert\footins{%
50   \@RTLtrue%
51   \reset@font%
52   \bidi@RTLfootnotetext@font% \normalfont\footnotesize
53   \interlinepenalty\interfootnotelinepenalty
54   \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55   \floatingpenalty\@MM \hsize\columnwidth
56   \@parboxrestore \parindent\normalparindent \sloppy
57   \protected@edef\@currentlabel{%
58     \csname p@footnote\endcsname\@thefnmark}%
59   \@makefntext{%
60     \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65   \insert\footins{%
66     \@RTLfalse%
67     \reset@font%
68     \bidi@LTRfootnotetext@font% \normalfont\footnotesize
69     \interlinepenalty\interfootnotelinepenalty
70     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71     \floatingpenalty\@MM \hsize\columnwidth
72     \@parboxrestore \parindent\normalparindent \sloppy
73     \protected@edef\@currentlabel{%
74       \csname p@footnote\endcsname\@thefnmark}%
75     \@makefntext{%
76       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84   \@bibtitlestyle
85   \normalfont\bibliofont\labelsep .5em\relax
86   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
88   \bidi@thebibliography@font@hook%
89   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90     \leftmargin\labelwidth \advance\leftmargin\labelsep
91     \usecounter{enumiv}}%
92   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93   \sfcode`\.=\@m
94 }{%
95   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96   \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi

```



```

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

```

## 2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol package]
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133 \def\@tempa{#2}%
134 \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135 \def\@tempa{#3}%
136 \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137 \ifnum\col@number<\@ne
138 \PackageWarning{adjmulticol}%
139 {Using '\number\col@number'
140 columns doesn't seem a good idea.^^J
141 I therefore use one columns instead}%
142 \col@number\@ne\fi
143 \ifnum\col@number>10
144 \PackageError{adjmulticol}%
145 {Too many columns}%

```



```

146      {Current implementation doesn't
147      support more than 10 columns.%
148      \MessageBreak
149      I therefore use 10 columns instead}%
150    \col@number10 \fi
151    \ifx\@footnotetext\mult@footnotetext\else
152      \let\orig@footnotetext\@footnotetext
153      \let\@footnotetext\mult@footnotetext
154    \fi
155    \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156      \let\orig@LTRfootnotetext\@LTRfootnotetext
157      \let\@LTRfootnotetext\mult@LTRfootnotetext
158    \fi
159    \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160      \let\orig@RTLfootnotetext\@RTLfootnotetext
161      \let\@RTLfootnotetext\mult@RTLfootnotetext
162    \fi
163    \ifnextchar[\@adjmult@cols{\@adjmult@cols[]}]{}
164    \let\adjmc@page@sofar@orig=\page@sofar

```

### 3 File algorithm2e-xetex-bidi.def

```

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

```





```

193 \fi
194 }{}{}
195 }

```

## 4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for L
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\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
208 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

240 \reset@font%
241 \bidi@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247   \csname p@footnote\endcsname\@thefnmark}%
248 \@makefntext{%
249   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252   \insert\footins{%
253     \@RTLtrue%
254     \reset@font%
255     \bidi@RTLfootnotetext@font% \normalfont\footnotesize
256     \interlinepenalty\interfootnotelinepenalty
257     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258     \floatingpenalty\@MM \hsize\columnwidth
259     \@parboxrestore \parindent\normalparindent \sloppy
260     \protected@edef\@currentlabel{%
261       \csname p@footnote\endcsname\@thefnmark}%
262     \@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 \cnum \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 \cnum
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 \cnum
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\dollarbegin\beginRgroup
373 \let\dollarend\endRgroup
374 \@tabarray}
375 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
376 \expandafter\let\csname endtabular*\endcsname=\endtabular
377 \def\@array[#1]#2{%
378 \@tempdima \ht \strutbox
```



```

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

```

## 9 File article-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

526 \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
527 \hskip -\if@RTL\rightright\else\leftskip\fi
528 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
529 \endgroup
530 \fi}
531 \renewcommand\left@footnoterule{%
532 \kern-3\p@
533 \hrule\@width.4\columnwidth
534 \kern2.6\p@}
535 \renewcommand\right@footnoterule{%
536 \kern-3\p@
537 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
538 \kern2.6\p@}
539 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
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\@makefnmark##1{\parindent\z@
736 \def\labelitemi{\textendash}\@revlabeltrue
737 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
738 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
739 \if@compatibility\setcounter{page}{0}\fi
740 \null\vfil
741 \vskip 60\p@
742 \begin{center}%
743 \TitleFont
744 {\LARGE \def\{\{\penalty -\@M}
745 \if@allcaps
746 \expandafter\uc@nothanks\@title\thanks\relax
747 \else
748 \@title
749 \fi\par}%
750 \vskip 3em%
751 {\large
752 \lineskip .75em \parindent\z@
753 \begin{tabular}[t]{c}%
754 \if@allcaps
755 \expandafter\uc@authornothanks\@author\and\relax
756 \else
757 \@author
758 \fi
759 \end{tabular}\par}%
760 \vskip 1.5em%
761 {\large
762 \if@allcaps
763 \uppercase\expandafter{\@date}%
764 \else
765 \@date
766 \fi\par}%
767 \end{center}\par
768 \@thanks
769 \vfil\null
770 \end{titlepage}%
771 \setcounter{footnote}{0}%
772 \global\let\thanks\relax

```



```

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

```



```

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

```

## 11 File artikel2-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

970         \usecounter{enumiv}%
971         \let\p@enumiv\@empty
972         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
973     \sloppy\clubpenalty4000\widowpenalty4000%
974     \sfcode`\.\@m}
975     {\def\@noitemerr
976      {\@latex@warning{Empty `thebibliography' environment}}}%
977     \endlist}
978 \if@titlepage
979 \renewcommand*\TitleFont{\rmfamily}
980 \renewcommand*\maketitle{%
981 \begin{titlepage}%
982     \let\footnotesize\small
983     \let\right@footnoterule\relax
984     \let\left@footnoterule\relax
985     \let\textwidth\footnoterule\relax
986     \let \footnote \thanks
987     \long\def\@makefnmark{\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     \begingroup
1299     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1300     \def\@makefnmark{\rlap{%
1301         \@textsuperscript{\normalfont\@thefnmark}}}%
1302     \long\def\@makefntext{\@xmakefntext{%
1303         \@textsuperscript{\normalfont\@thefnmark}}}%
1304     \if@twocolumn
1305         \ifnum \col@number=\@ne
1306             \@maketitle
1307         \else
1308             \twocolumn[\@maketitle]%
1309         \fi
1310     \else
1311         \newpage
1312         \global\@topnum\z@
1313         \@maketitle
1314     \fi
1315     \thispagestyle{plain}\@thanks
1316 \endgroup

```



```

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

```

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

```

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

```





```

1364 \def\@array{\adl@everyvbox\everyvbox
1365         \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1366         \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1367         \let\adl@noalign\noalign
1368         \adl@array}
1369 \ifadl@usingarypkg
1370 \def\@testpach{\@chclass
1371 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1372 \ifnum \@lastchclass=7 5 \else
1373 \ifnum \@lastchclass=8 \tw@ \else
1374 \ifnum \@lastchclass=9 \thr@@
1375 \else \z@
1376 \ifnum \@lastchclass = 10 \else
1377 \edef\@nextchar{\expandafter\string\@nextchar}%
1378 \@chnum
1379 \if \@nextchar c\z@ \else
1380 \if \@nextchar \ifRTLT@ r\else l\fi\@ne \else
1381 \if \@nextchar \ifRTLT@ l\else r\fi\tw@ \else
1382 \z@ \@chclass
1383 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1384 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1385 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1386 \if \@nextchar !6 \else
1387 \if \@nextchar @7 \else
1388 \if \@nextchar <8 \else
1389 \if \@nextchar >9 \else
1390 10
1391 \@chnum
1392 \if \@nextchar m\thr@@\else
1393 \if \@nextchar p4 \else
1394 \if \@nextchar b5 \else
1395 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1396 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1397
1398 \def\@classz{\@classx
1399 \@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 \@one \else
1419 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1420 \@chclass
1421 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1422 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1423 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1424 \if #1@\tw@ \else
1425 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1426 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1427
1428 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1429 \or \or \@addamp \or
1430 \@acolampacol \or \@firststampfalse \@acol \fi
1431 \edef\@preamble{\@preamble
1432 \ifcase \@chnum
1433 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1434 \or \adl@putlrc{\$relax\@sharp$}\hfil
1435 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1436 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1437 \or \or \@addamp \or
1438 \@acolampacol \or \@firststampfalse \@acol \fi
1439 \edef\@preamble{\@preamble
1440 \ifcase \@chnum
1441 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1442 \or \adl@putlrc{\@sharp\unskip}\hfil
1443 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1444 \def\adl@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{2019/06/14}
1496 \def\bidiversion{35.9}
1497 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1498 Bidirectional typesetting in plain TeX and LaTeX]
1499 \edef\@bidi@info{*****^J%
1500 * ^J%
1501 * bidi package (Bidirectional typesetting in^J%
1502 * plain TeX and LaTeX, using XeTeX engine)^J%
1503 * ^J%
1504 * Description: A convenient interface for^J%
1505 * typesetting bidirectional texts in plain TeX^J%
1506 * and LaTeX. The package includes adaptations^J%
1507 * for use with many other commonly-used packages.^J%
1508 * ^J%
1509 * Copyright (c) 2009--2019 Vafa Khalighi^J%
1510 * ^J%

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

1761 permissionflags%
1762 }
1763
1764 \if@extrafootnotefeatures
1765 \input{extrafootnotefeatures-xetex-bidi.def}
1766 \fi
1767 \newcount\bididigits
1768 \XeTeXinterchartokenstate=\@ne
1769 \newXeTeXintercharclass\bididigits@charclass
1770 \newXeTeXintercharclass\bidisepmark@charclass
1771 \XeTeXcharclass`\.\ \bidisepmark@charclass
1772 \XeTeXcharclass`\- \bidisepmark@charclass
1773 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1774 \bididigits=\ \loop \XeTeXcharclass \bididigits@charclass \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 `biditex`

```

1814 \def\bididate{2019/06/14}
1815 \catcode`\@=11
1816 \def\bidiversion{35.9}
1817 \let \protect \relax
1818 \newlinechar`\^^J
1819 \edef\@bidi@info{*****^^J%
1820 * ^^J%
1821 * bidi package (Bidirectional typesetting in^^J%
1822 * plain TeX and LaTeX, using XeTeX engine)^^J%
1823 * ^^J%
1824 * Description: A convenient interface for^^J%
1825 * typesetting bidirectional texts in plain TeX^^J%
1826 * and LaTeX. The package includes adaptations^^J%
1827 * for use with many other commonly-used packages.^^J%
1828 * ^^J%
1829 * Copyright (c) 2009--2019 Vafa Khalighi^^J%
1830 * ^^J%
1831 * v\bidiversion, \bididate^^J%
1832 * ^^J%
1833 * License: LaTeX Project Public License, version^^J%
1834 * 1.3c or higher (your choice)^^J%
1835 * ^^J%
1836 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1837 * ^^J%
1838 * Issue tracker: https://github.com/vafa-ac/bidi/issues^^J%
1839 * ^^J%
1840 *****}
1841 \message{\@bidi@info}
1842 \edef\bidi@everyjob{\the\everyjob}
1843 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1844 \def\bidiversion{%
1845   \relax
1846   \ifmmode
1847     \bidiversion
1848   \else
1849     $\bidiversion$
1850   \fi
1851 }
1852 \input iftex.sty
1853 \RequireXeTeX
1854 \newif\if@bidi@pdfm@mark
1855 \newif\if@RTLmain
1856 \newif\if@RTL
1857 \newif\if@hboxRconstruct

```



```

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

```



```

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

```

## 16 File bidi2in1.sty

```

1933 \NeedsTeXFormat{LaTeX2e}
1934 \ProvidesPackage{bidi2in1}
1935 \pagestyle{plain}
1936 \newcount\evenpage
1937 \newcount\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\CIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
2064 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2065 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2066 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2067 \def\coordx#1{($x_{#1}$)}
2068 \def\coordy#1{($y_{#1}$)}
2069 \def\coordz#1{($z_{#1}$)}
2070 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
2071 \def\ciiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
2072
2073 \newsavebox{\boxdef}
2074 \newenvironment{BDef}
2075   {\begin{lrbox}\boxdef
2076     \def\arraystretch{1.0}
2077     \begin{tabular}{@{}l@{}l@{}l@{}}
2078   }
2079   {\end{tabular}\end{lrbox}}
2080
2081   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2082   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2083 }
2084
2085 \newenvironment{BDef*}
2086   {\begin{lrbox}\boxdef
2087     \def\arraystretch{1.0}
2088     \begin{tabular}{@{}l@{}l@{}l@{}}
2089   }
2090   {\end{tabular}\end{lrbox}}
2091   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2092   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2093 }
2094 \newenvironment{BCmd}{
2095   \@beginparpenalty-\@lowpenalty
2096   \topsep\BDefaboveskip
2097   \fbboxsep3pt
2098   \flushleft}
2099   {\@endparpenalty\@M
2100   \@topsepadd\BDefbelowskip
2101   \endflushleft}

```



```

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

```

## 18 File bidiftnxtra.sty

```

2122 \NeedsTeXFormat{LaTeX2e}
2123 \ProvidesPackage{bidiftnxtra}
2124 \newtoks\bidip@ftn
2125 \let\FN@sffootnote\footnote
2126 \let\FN@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

```



```

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

```

## 19 File `bidimoderncv.cls`

```

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

```



```

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

```



```

2396 \providecommand*{\phonesymbol}{\Telefon}
2397 \providecommand*{\faxsymbol}{\FAX}
2398 \providecommand*{\emailsymbolsymbol}{\Letter}
2399 \definecolor{firstnamecolour}{rgb}{0,0,0}
2400 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2401 \def\familynamecolour#1{\gdef\@familynamecolour{\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\@familynamecolour#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}\sectionstyle{#1}}\hspace{\separatorcolumnwidth}}
2479 \hspace{\separatorcolumnwidth}%
2480 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\hspace{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}@{\hspace{\separatorcolumnwidth}}@{}
2485 \bidi@raggedleft\hintfont{#2} & \hspace{\separatorcolumnwidth} \hintfont{#3}%
2486 \end{tabular}}
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]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}%
2493 \newcommand*\cvlistdoubleitem}[3][\listitemsymbol]{%
2494 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2495 \hfill%

```



```

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

```





```

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

```

## 20 File bidi-perpage.sty

```

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

```



```

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

```

## 21 File `biditools.sty`

```

2631 \NeedsTeXFormat{LaTeX2e}
2632 \ProvidesPackage{biditools}[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   \if@RTL
2783     \expandafter\@firstoftwo
2784   \else
2785     \expandafter\@secondoftwo
2786   \fi}
2787 \newcommand*{\ifLtoR}{%
2788   \if@RTL
2789     \expandafter\@secondoftwo

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

3340 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@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     \bididefcs{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\bidiprep@list@to@list#1#2{%
3641   \@bidiprep@to@list{#1}{\expandafter\expandafter\expandafter\the\csname#2\
3642 \def\bidip@append@csl@to@csl#1#2{%
3643   \@bidip@append@to@csl{#1}\expandafter{\the#2}}
3644 \def\bidiprep@csl@to@csl#1#2{%
3645   \@bidiprep@to@csl{#1}\expandafter{\the#2}}
3646 \def\bidip@append@toks@c@to@list#1#2{\@bidip@append@to@list{#1}\expandafter{\the#2}}
3647 \def\bidiprep@toks@c@to@list#1#2{\@bidiprep@to@list{#1}\expandafter{\the#2}}
3648
3649 \let\bidipwillbeunhskip\unhskip
3650
3651 % A few list macros for the user
3652 \def\NewTokenList:#1 {\bidipcsarg\newtoks{#1}\global\csname#1\endcsname{}}
3653 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
3654 \long\def\AppendToTokenList:#1=#2 {\@bidip@append@to@list{#1}{#2}}
3655 \long\def\PrependToTokenList:#1=#2 {\@bidip@prepend@to@list{#1}{#2}}
3656 \def\TheTokenList:#1 {\let\bidipoldwbuskip\bidipwillbeunhskip \let\bidipwillbeunhskip\@empty
3657   \if\bidipundefinedcs{#1}\bidiperror{Token List <#1> undefined}
3658   \else\bidipcsarg\the{#1}\fi
3659   \let\bidipwillbeunhskip\bidipoldwbuskip}
3660
3661 \def\bidipdel@tok@from@list#1#2{\begingroup
3662   \long\def\bidipcs@list#1#2##2\bidip@tok@SM
3663     {\bidip@toks@list#1}\bidip@toks@listb{##2}%
3664     \edef\bidipcs@listb{\global\bidipcsname{#1}=
3665       {\the\bidip@toks@list#1}\bidip@toks@listb}%
3666     \bidipcs@listb}%
3667   \edef\bidipcs@list#1{\noexpand\bidipcs@list#1}\expandafter\the\csname#1\endcsname\noexpand
3668   \bidipcs@list#1 \endgroup}
3669 \def\bidipin@front@of@list#1{\bidipcsarg{\let\expandafter\bidipcs@list#1}{#1}%
3670   \bidipin@front@of@csl#1\bidipcs@list#1}
3671 \long\def\bidipin@front@of@csl#1#2{\begingroup\bidip@toks@list#1={#2}%
3672   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidip@toks@list#1}
3673   \endgroup}
3674 \long\def\bidiplocal@in@front@of@list#1#2{\bidip@toks@list#1={#2}%
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\bidipset@list#1{\bidipcsarg{\let\expandafter\bidipcs@list#1}{#1}%
3680   \bidipset@csl#1\bidipcs@list#1}
3681 \long\def\bidipset@csl#1#2{\begingroup\bidip@toks@list#1={#2}%
3682   \global#1=\expandafter{\the\bidip@toks@list#1}\endgroup}
3683
3684 %%%%%%%%%%%%%%% Stack macros
3685 %
3686 % push in terms of prepending of lists
3687 \def\bidipush@c@onto@c#1#2{\@bidip@prepend@to@csl#1\expandafter{\expandafter\\expandafter
3688 \def\bidipush@onto#1{\bidipcsarg\bidippush@onto@c#1}}
3689 \def\bidipush@onto@c#1#2{\@bidip@prepend@to@csl#1}{\{#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@count}
3781 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@toks}
3782 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@toks}
3783 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@toks}
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 \bidilooprepeat@error{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 \@file@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@sav@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@sav@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 \expandafter\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 \ifirstofone
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@checkoddpag}{%
4505   \checkoddpag%
4506   \ifthenelse{\boolean{\@biditytfloat@changepage}}{%
4507     \ifoddpag%
4508       \setboolean{\@biditytfloat@odd@page}{true}%
4509     \else%
4510       \setboolean{\@biditytfloat@odd@page}{false}%
4511     \fi%
4512   }{%
4513     \ifcpoddpag%
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@recto}
4571 \newcommand{\forceeversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@recto}
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@checkoddpagel%
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 \@biditytfloat@caption@font\@biditytfloat@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{\@biditytthead@newlinetospace}{%
4746 \ifstar{\@biditytthead@newlinetospace@i}{\@biditytthead@newlinetospace@i}%
4747 }
4748 \def\@biditytthead@newlinetospace@i{%
4749 \ifdim\lastskip>z@\else\space\fi
4750 \ignorespaces%
4751 }
4752 \DeclareRobustCommand{\newlinetospace}[1]{%
4753 \let\@biditytthead@orig@cr\\% save the original meaning of \\
4754 \def\\{\@biditytthead@newlinetospace}% turn \\ and \\* into \space
4755 \let\newline\\% turn \newline into \space
4756 #1%
4757 \let\\ \@biditytthead@orig@cr% revert to original meaning of \\
4758 }
4759 \RequirePackage{fancyhdr}
4760 \pagestyle{fancy}
4761 \AtBeginDocument{%
4762 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4763 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4764 {\fancyhfoffset[RE,RO]{\@biditytfloat@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{@biditytfloat@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{@biditytfloat@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 Tufte 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@biditytfloatplain\floatc@biditytfloatplain
4924 \let\floatc@biditytfloatplain\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\LTRbiditytesidenotexmpar[#1]#2{%
5035   \LTRbiditytesidenotesavemarbox\@marbox{#1}%
5036   \LTRbiditytesidenotesavemarbox\@currbox{#2}%
5037   \@xympar}
5038 \long\def\LTRbiditytesidenoteympar#1{%
5039   \LTRbiditytesidenotesavemarbox\@marbox{#1}%
5040   \global\setbox\@currbox\copy\@marbox
5041   \@xympar}
5042 \long\def \LTRbiditytesidenotesavemarbox #1#2{%
5043   \global\setbox #1%
5044     \color@vbox
5045     \vtop{%
5046       \hsize\marginparwidth
5047       \@parboxrestore
5048       \LTRbiditytesidenotemarginparreset
5049       #2%
5050       \@minipagefalse
5051       \outer@nobreak
5052     }%
5053   \color@endbox
5054 }
5055 \def \LTRbiditytesidenotemarginparreset {%
5056   \reset@font
5057   \normalsize
5058   \@minipagetrue
5059   \everypar{\@minipagefalse\everypar{}\beginL}%
5060 }
5061 \def\RTLbiditytesidenotemarginpar{%
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 [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
5078 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
5079   \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
5080   \@RTLbiditytesidenotesavemarbox\@currbox{#2}%
5081   \@xympar}
5082 \long\def\@RTLbiditytesidenoteympar#1{%
5083   \@RTLbiditytesidenotesavemarbox\@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*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5124 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5125 \newcommand*{\setRTLcitationfont}[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\xyzyz will result in the contents of \xyzyz
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 \bidi@patch@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 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@font#1}}}
5300 \providecommand*\multiplefootnotemarker}{3sp}
5301 \providecommand*\multfootsep}{,}
5302 \bidi@patch@AfterPackage{bidi}{%
5303 \renewcommand{\@footnotemark}{%
5304 \leavevmode%
5305 \ifhmode%
5306 \edef\@x@sf{\the\spacefactor}%
5307 \@bidityftesidenote@check@multiple@sidenotes%
5308 \nobreak%
5309 \fi%
5310 \@makefnmark%
5311 \ifhmode\spacefactor\@x@sf\fi%
5312 \relax%
5313 }%
5314 }
5315 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
5316 \ifdim\lastkern=\multiplefootnotemarker\relax%
5317 \edef\@x@sf{\the\spacefactor}%
5318 \unkern%
5319 \textsuperscript{\multfootsep}%
5320 \spacefactor\@x@sf\relax%
5321 \fi
5322 }
5323 \bidi@patch@AfterPackage{bidi}{%
5324 \renewcommand\@footnotetext[2][0pt]{%
5325 \bidityftesidenotemarginpar{%
5326 \hbox{\vspace*{#1}}%
5327 \def\baselinestretch {\setspace@singlespace}%
5328 \reset@font%
5329 \bidi@footnotetext@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 \makefnthtext{%
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 \makefnthtext{%
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 \makefnthtext{%
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 \LTRcite
5408   \let\RTLcite\@bidityfteRTLSidenote@normal@cite%   go back to using normal in-text \RTLcite
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 comman
5436 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5437 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
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 comman
5465 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5466 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
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][0pt]{%
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][0pt]{%
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 bidityfttetoc.sty

```

5508 \NeedsTeXFormat{LaTeX2e}
5509 \ProvidesPackage{bidityfttetoc}[2011/06/17 v0.1
5510 bidi implementation of tufte toc]
5511 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5512 \newcommand{\@bidityfttetoc@pkgname}{bidityfttetoc}
5513 \newcommand{\@bidityfttetocError}[2]{\PackageError{\@bidityfttetoc@pkgname}{#1}{#2}}
5514 %%
5515 % Turn off section numbering
5516 \setcounter{secnumdepth}{-1}
5517 \newboolean{\@bidityfttetoc@toc}
5518 \setboolean{\@bidityfttetoc@toc}{true}
5519 \DeclareOption{notoc}{\setboolean{\@bidityfttetoc@toc}{false}}
5520 \DeclareOption{toc}{\setboolean{\@bidityfttetoc@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     [0pt]% 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 \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5648 \null\nobreak\hskip -\ifRTL\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{\@biditytgeneralstructure@reset@par}{%
5690 \setlength{\RaggedRightParindent}{1.0pc}%
5691 \setlength{\JustifyingParindent}{1.0pc}%
5692 \setlength{\parindent}{1pc}%
5693 \setlength{\parskip}{0pt}%
5694 }
5695 \@biditytgeneralstructure@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[2019/03/03 v1.0 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 \ifdim\new@poem@width<\poem@width
6245 \global\let\poem@needrun\relax
6246 \fi
6247 \poem@write@aux{\poem@width@{\romannumeral\c@poem@no}{\new@poem@width}}%
6248 \ifx\AtEndDocument\undefined\poem@finish\fi
6249 \@endparenv
6250 }
6251
6252
6253 \long\def\bidipoem@p@ftntext#1{%
6254 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
6255 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
6256 \long\def\bidipoem@p@LTRftntext#1{%
6257 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6258 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
6259 \long\def\bidipoem@p@RTLftntext#1{%
6260 \edef\@temp{xii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6261 \global\bidipoem@p@ftn\expandafter{\@temp{xii{#1}}}%
6262

```



```

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

```



```

6313         \@x
6314     }
6315     \def\@modernpoem{%
6316     \par
6317     \begingroup
6318     \parskip=\z@
6319     \parindent=\z@
6320     \def\[{ \@settab\@tabplus\ignorespaces}%
6321     \def\]\{ \@tabminus\ignorespaces}%
6322     \def\newblock{\poemblocksep}%
6323     \let\newpoem@tabcr\@tabcr
6324     \def\modernpoem@par{% Redefine \par for possible \obeylines
6325     \ifpoem@started\else
6326         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6327             \@stopfield
6328             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6329             \@contfield
6330         \fi
6331     \fi
6332     \ifpoem@started\newpoem@tabcr\fi}%
6333     \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6334     \global\poem@startedfalse
6335     \csname poem@obeylines\endcsname
6336     \let\poem@obeylines\relax
6337     \begin{tabbing}%
6338     }
6339     \def\@endmodernpoem{%
6340     \global\poem@startedfalse
6341     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6342         \@stopfield
6343         \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6344         \@contfield
6345     \fi
6346     \ifpoem@started\else\let\@stopline\@stopfield\fi
6347     \end{tabbing}%
6348     \endgroup
6349     \par
6350     \if@nparlist \else
6351         \ifdim\lastskip >\z@
6352             \@tempskipa\lastskip \vskip -\lastskip
6353             \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6354             \vskip\@tempskipa
6355         \fi
6356         \@endparenv
6357     \fi
6358     }
6359     \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6360     \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
6361     \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6362     \gdef\@startfield{%

```



```

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

```

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

```

6388 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6389 \renewenvironment{theindex}{%
6390   \if@twocolumn
6391     \@restonecolfalse
6392   \else
6393     \@restonecoltrue
6394   \fi
6395   \columnseprule \z@
6396   \columnsep 35\p@
6397   \twocolumn[\@makeschapterhead{\indexname}]%
6398   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6399   \thispagestyle{plain}\parindent\z@
6400   \parskip\z@ \@plus .3\p@\relax
6401   \let\item\@idxitem
6402 }{%
6403   \if@restonecol\onecolumn\else\clearpage\fi}
6404 \renewcommand*{\head@style}{%
6405   \interlinepenalty \@M
6406   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6407   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6408 \renewcommand*{\regtocline}[3]{%
6409   \ifnum #1>\c@tocdepth

```



```

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

```



```

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

```





```

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

```



```

6560 \global\let\title\relax
6561 \global\let\author\relax
6562 \global\let\date\relax
6563 \global\let\and\relax
6564 }

```

## 32 File boek-xetex-bidi.def

```

6565 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
6566 \renewenvironment{theindex}{%
6567   \if@twocolumn
6568     \@restonecolfalse
6569   \else
6570     \@restonecoltrue
6571   \fi
6572   \columnseprule \z@
6573   \columnsep 35\p@
6574   \twocolumn[\@makeschapterhead{\indexname}]%
6575   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6576   \thispagestyle{plain}\parindent\z@
6577   \parskip\z@ \@plus .3\p@\relax
6578   \let\item\@idxitem
6579 }{%
6580   \if@restonecol\onecolumn\else\clearpage\fi}
6581 \renewcommand*{\head@style}{%
6582   \interlinepenalty \@M
6583   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6584   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6585 \renewcommand*{\@regtocline}[3]{%
6586   \ifnum #1>\c@tocdepth
6587   \else
6588     \vskip\z@ \@plus.2\p@
6589     {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
6590     \if@RTL\rightskip\else\leftskip\fi\unitindent
6591     \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6592     \parfillskip\z@
6593     \@tempdima\unitindent
6594     \parindent\z@
6595     \leavevmode
6596     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6597     \hskip 1em \nobreak{\slshape #3}\par
6598   }%
6599   \fi}
6600 \if@oldtoc
6601 \renewcommand*{\l@part}[2]{%
6602   \ifnum \c@tocdepth >-2\relax
6603     \addpenalty{-\@highpenalty}%
6604     \addvspace{2.25em \@plus\p@}%
6605     \begingroup
6606     \setlength{\@tempdima}{3em}%

```



```

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

```



```

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

```



```

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

```

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

```

6742 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6743 \def\@makechapterhead#1{%
6744     \vspace*{20\p@}
6745     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6746         \ifnum \c@secnumdepth >\m@ne
6747             \if@mainmatter
6748                 {\colorA\huge\scshape \@chapapp\space \thechapter}
6749                 \par\nobreak
6750                 \vskip 10\p@
6751             \fi
6752         \fi
6753         \interlinepenalty\@M

```



```

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

```

## 34 File book-xetex-bidi.def

```

6775 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6776 \renewenvironment{theindex}
6777   {\if@twocolumn
6778     \@restonecolfalse
6779   \else
6780     \@restonecoltrue
6781   \fi
6782   \columnseprule \z@
6783   \columnsep 35\p@
6784   \twocolumn[\@makeschapterhead{\indexname}]%
6785   \@mkboth{\MakeUppercase\indexname}%
6786   {\MakeUppercase\indexname}%
6787   \thispagestyle{plain}\parindent\z@
6788   \parskip\z@ \@plus .3\p@\relax
6789   \let\item\@idxitem}
6790   {\if@restonecol\onecolumn\else\clearpage\fi}
6791 \@ifclassloaded{bookest}{\}%
6792 \if@titlepage
6793 \renewcommand\maketitle{\begin{titlepage}%
6794 \let\footnotesize\small
6795 \let\right@footnoterule\relax
6796 \let\left@footnoterule\relax
6797 \let\textwidth\footnoterule\relax
6798 \let \footnote \thanks
6799 \let \LTRfootnote \LTRthanks
6800 \let \RTLfootnote \RTLthanks

```



```

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

```



```

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

```





```

6901 \endgroup
6902 \fi}
6903 \renewcommand*\l@chapter[2]{%
6904 \ifnum \c@tocdepth >\m@ne
6905 \addpenalty{-\@highpenalty}%
6906 \vskip 1.0em \@plus\p@
6907 \setlength\@tempdima{1.5em}%
6908 \begingroup
6909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6910 \parfillskip -\@pnumwidth
6911 \leavevmode \bfseries
6912 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6913 \hskip -\if@RTL\rightskip\else\leftskip\fi
6914 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6915 \penalty\@highpenalty
6916 \endgroup
6917 \fi}
6918 \renewcommand\left@footnoterule{%
6919 \kern-3\p@
6920 \hrule\@width.4\columnwidth
6921 \kern2.6\p@}
6922 \renewcommand\right@footnoterule{%
6923 \kern-3\p@
6924 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6925 \kern2.6\p@}
6926 \renewcommand\theequation
6927 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6928 \renewcommand \thefigure
6929 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6930 \renewcommand \thetable
6931 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6932 \renewcommand \thechapter {\@arabic\c@chapter}
6933 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6934 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6935 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6936 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6937 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6938 \def\@makechapterhead#1{%
6939 \vspace*{50\p@}%
6940 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6941 \ifnum \c@secnumdepth >\m@ne
6942 \if@mainmatter
6943 \huge\bfseries \@chapapp\space \thechapter
6944 \par\nobreak
6945 \vskip 20\p@
6946 \fi
6947 \fi
6948 \interlinepenalty\@M
6949 \Huge \bfseries #1\par\nobreak
6950 \vskip 40\p@

```



```

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

```

## 35 File breqn-xetex-bidi.def

```

6988 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6989 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6990   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6991   \if@noskipsec \leavevmode \fi
6992   \if@inlabel \leavevmode \global\@inlabelfalse \fi
6993   \if\eq@group\else\eq@prelim\fi
6994   \setkeys{breqn}{#1}%
6995   \the\eqstyle
6996   \eq@setnumber
6997   \begingroup

```



```

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

```

## 36 File cals-xetex-bidi.def

```

7043 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
7044 \renewcommand\cals@setup@alignment[1]{%

```



```

7045 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
7046 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
7047 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
7048 }
7049 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
7050 \renewenvironment{calstable}[1][\cals@table@alignment]{%
7051 \if@RTLtab\cals@activate@rtl\fi
7052 \let\cals@thead@tokens=\relax
7053 \let\cals@tfoot@tokens=\relax
7054 \let\cals@tbreak@tokens=\relax
7055 \cals@tfoot@height=0pt \relax
7056 \let\cals@last@context=n%
7057 \let\cals@current@context=b%
7058 \parindent=0pt \relax%
7059 \cals@setup@alignment{#1}%
7060 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
7061 %% Alignment inside is independent on center/flushright outside
7062 \parfillskip=0pt plus1fil\relax
7063 \let\cals@borderL=\relax
7064 \let\cals@borderR=\relax
7065 \let\cals@borderT=\relax
7066 \let\cals@borderB=\relax
7067 \setbox\cals@backup@row=\box\voidb@x\relax
7068 \cals@AtBeginTable
7069 }{% End of the table
7070 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
7071 \renewcommand\alignL{%
7072 \if@RTLtab
7073 \cals@vfillAdd\cals@paddingL
7074 \else
7075 \cals@vfillDrop\cals@paddingL
7076 \fi
7077 \cals@vfillDrop\cals@paddingR}
7078 \renewcommand\alignR{%
7079 \if@RTLtab
7080 \cals@vfillDrop\cals@paddingL
7081 \else
7082 \cals@vfillAdd\cals@paddingL
7083 \fi
7084 \cals@vfillDrop\cals@paddingR}

```

## 37 File caption-xetex-bidi.def

```

7085 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
7086 \let\@makecaption\caption@makecaption

```

## 38 File caption3-xetex-bidi.def

```

7087 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
7088 \renewcommand*\caption@par{%

```



```
7089 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%
```

### 39 File colortbl-xetex-bidi.def

```
7090 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
7091 \def\CT@setup{%
7092   \@tempdimb\col@sep
7093   \@tempdimc\col@sep
7094   \def\CT@color{%
7095     \global\let\CT@do@color\CT@@do@color
7096     \bidicolor}}
7097 \def\@classz{\@classx
7098   \@tempcnta \count@
7099   \prepnext@tok
7100 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
7101 \addtopreamble{\if@RTLtab\beginL\fi%
7102   \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
7103     \ifcase \@chnum
7104     \hskip\stretch{.5}\kern\z@
7105     \dollarbegin
7106     \insert@column
7107     \dollarend\hskip\stretch{.5}\or
7108     \dollarbegin \insert@column \dollarend \hfill \or
7109     \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
7110     $\vcenter
7111     \@startpbox{\@nextchar}\insert@column \endpbox $\or
7112     \vtop \@startpbox{\@nextchar}\insert@column \endpbox \or
7113     \vbox \@startpbox{\@nextchar}\insert@column \endpbox
7114   \fi
7115   \if@RTLtab\endR\fi\egroup\egroup
7116 \begingroup
7117 \CT@setup
7118 \CT@column@color
7119 \CT@row@color
7120 \CT@cell@color
7121 \CT@do@color
7122 \endgroup
7123   \@tempdima\ht\z@
7124   \advance\@tempdima\minrowclearance
7125   \vrule\@height\@tempdima\@width\z@
7126   \unhbox\z@\if@RTLtab\endL\fi}%
7127 \prepnext@tok}
```

### 40 File color-xetex-bidi.def

```
7128 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeLaTeX]
7129 \long\def\color@b@x#1#2#3{%
7130   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
7131   \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
7132   \dimen@\ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
```



```

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

```

## 41 File combine-xetex-bidi.def

```

7171 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for ]
7172 \renewcommand{\c@ll@chapsecii}[2]{%
7173     \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7174     \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7175     #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
7176 }
7177 \renewcommand{\c@ll@chapseci}{%
7178     \setlength\@tempdima{0em}%
7179     \begingroup

```



```

7180 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7181 \parfillskip -\@pnumwidth
7182 \leavevmode
7183 }
7184 \renewenvironment{tocindent}[1]{%
7185 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

## 42 File crop-xetex-bidi.def

```

7186 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
7187 \renewcommand*{\CROP@ulc}{%
7188 \if@RTLmain%
7189 \begin{picture}(0,0)
7190 \unitlength\p@\thinline
7191 \put(-40,0){\circle{10}}
7192 \put(-30,-5){\line(0,1){10}}
7193 \put(-35,0){\line(1,0){30}}
7194 \put(-10,30){\circle{10}}
7195 \put(-5,30){\line(1,0){10}}
7196 \put(0,35){\line(0,-1){30}}
7197 \end{picture}%
7198 \else%
7199 \begin{picture}(0,0)
7200 \unitlength\p@\thinline
7201 \put(-30,0){\circle{10}}
7202 \put(-30,-5){\line(0,1){10}}
7203 \put(-35,0){\line(1,0){30}}
7204 \put(0,30){\circle{10}}
7205 \put(-5,30){\line(1,0){10}}
7206 \put(0,35){\line(0,-1){30}}
7207 \end{picture}%
7208 \fi%
7209 }
7210 \renewcommand*{\CROP@urc}{%
7211 \if@RTLmain%
7212 \begin{picture}(0,0)
7213 \unitlength\p@\thinline
7214 \put(20,0){\circle{10}}
7215 \put(30,-5){\line(0,1){10}}
7216 \put(35,0){\line(-1,0){30}}
7217 \put(-10,30){\circle{10}}
7218 \put(-5,30){\line(1,0){10}}
7219 \put(0,35){\line(0,-1){30}}
7220 \end{picture}%
7221 \else%
7222 \begin{picture}(0,0)
7223 \unitlength\p@\thinline
7224 \put(30,0){\circle{10}}
7225 \put(30,-5){\line(0,1){10}}
7226 \put(35,0){\line(-1,0){30}}

```



```

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

```





```

7277     \fi%
7278 }
7279 \@ifpackagewith{crop}{cam}{%
7280 \CROP@exectopt{cam}%
7281 }{}

```

## 43 File cutwin-xetex-bidi.def

```

7282 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for Xe
7283 \renewcommand*{\c@twcompctr}[2]{%
7284   \def\c@twfirst{1}
7285   \loop\advance\c@twwinlines\m@ne
7286   \setbox\c@twslicea=\vsplit#1 to\baselineskip
7287   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7288   \c@twprune{\c@twslicea}{\c@twlftside}%
7289   \c@twprune{\c@twsliceb}{\c@twrtside}%
7290   \ifnum\c@twfirst=\@ne
7291     \setbox#2=\vbox{\unvbox#2\hbox
7292       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
7293   \else
7294     \setbox#2=\vbox{\unvbox#2\hbox
7295       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
7296   \fi
7297   \def\c@twfirst{2}
7298   \ifnum\c@twwinlines>\z@\repeat}
7299 \renewcommand*{\c@twcompodctr}[2]{%
7300   \def\c@twrounds{1}
7301   \def\c@twfirst{1}
7302   \@for\c@twlspec:=\c@twb\do{%
7303     \ifnum\c@twrounds=1
7304       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7305       \c@twprune{\c@twslicea}{\c@twlspec}%
7306       \def\c@twrounds{2}
7307     \else
7308       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7309       \c@twprune{\c@twsliceb}{\c@twlspec}%
7310       \ifnum\c@twfirst=1
7311         \setbox#2=\vbox{\unvbox#2\hbox
7312           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
7313         \def\c@twfirst{2}
7314       \else
7315         \setbox#2=\vbox{\unvbox#2\hbox
7316           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else
7317       \fi
7318       \def\c@twrounds{1}
7319   \fi}}

```

## 44 File cuted-xetex-bidi.def

```

7320 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for Xe

```



```

7321
7322 \def\RTL@outputdblcol{%
7323   \if@firstcolumn
7324     \global\@firstcolumnfalse
7325     \global\setbox\@leftcolumn\copy\@outputbox
7326     \splitmaxdepth\maxdimen
7327     \vbadness\maxdimen
7328     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7329     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7330     \toks@ \expandafter{\topmark}%
7331     \xdef\@firstcoltopmark{\the\toks@}%
7332     \toks@ \expandafter{\splitfirstmark}%
7333     \xdef\@firstcolfirstmark{\the\toks@}%
7334     \ifx\@firstcolfirstmark\@empty
7335       \global\let\@setmarks\relax
7336     \else
7337       \gdef\@setmarks{%
7338         \let\firstmark\@firstcolfirstmark
7339         \let\topmark\@firstcoltopmark}%
7340     \fi
7341   \else
7342     \global\@firstcolumntrue
7343     \setbox\@outputbox\vbox{%
7344       \hb@xt@\textwidth{%
7345         \hskip \columnwidth
7346         \hfil
7347         {\normalcolor\vrule \@width\columnseprule}%
7348         \hfil
7349         \hb@xt@\columnwidth{%
7350           \bidi@firstcolumn@status@write%
7351           \box\@leftcolumn \hss}%
7352         \hskip -\textwidth
7353         \hb@xt@\columnwidth{%
7354           \bidi@lastcolumn@status@write%
7355           \box\@outputbox \hss}%
7356         \hskip \columnsep
7357         \hskip \columnwidth }}%
7358     \ifvoid\hold@viper
7359     \else
7360       \setbox\@outputbox \vbox to\textheight{%
7361         \box\hold@viper
7362         \box\@outputbox
7363         \vss
7364       }%
7365     \fi
7366   \@combinedblfloats
7367   \@setmarks
7368   \@outputpage
7369   \begingroup
7370   \@dblfloatplacement

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```

## 45 File cvthemebidicasual.sty

```

7745 \NeedsTeXFormat{LaTeX2e}
7746 \ProvidesPackage{cvthemebidicasual}
7747 \DeclareOption{blue}{}
7748 \newif\if@colourorange\@colourorangefalse
7749 \DeclareOption{orange}{\@colourorangetrue}
7750 \newif\if@colourgreen\@colourgreenfalse
7751 \DeclareOption{green}{\@colourgreentrue}
7752 \newif\if@colouredred\@colouredredfalse
7753 \DeclareOption{red}{\@colouredredtrue}
7754 \newif\if@colourgrey\@colourgreyfalse
7755 \DeclareOption{grey}{\@colourgreytrue}
7756 \DeclareOption*{
7757     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7758 \ExecuteOptions{colour}
7759 \ProcessOptions\relax
7760 \renewcommand*{\listitemsymbol}{\textbullet}
7761 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7762 \familynamecolour{808080}
7763 \firstnamecolour{A9A9A9}
7764 \quotecolour{696969}
7765 \addresscolour{696969}
7766 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7767 \sectiontitlecolour{1E90FF}

```



```

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

```



```

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

```

## 46 File cvthemebidiclassic.sty

```

7843 \NeedsTeXFormat{LaTeX2e}
7844 \ProvidesPackage{cvthemebidiclassic}
7845 \DeclareOption{blue}{}
7846 \newif\if@colourorange\@colourorangefalse
7847 \DeclareOption{orange}{\@colourorange>true}
7848 \newif\if@colourgreen\@colourgreenfalse
7849 \DeclareOption{green}{\@colourgreentruer}
7850 \newif\if@colourred\@colourredfalse
7851 \DeclareOption{red}{\@colourreddtrue}
7852 \newif\if@colourgrey\@colourgreyfalse
7853 \DeclareOption{grey}{\@colourgreytrue}
7854 \DeclareOption*{
7855   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7856 \ExecuteOptions{colour}
7857 \ProcessOptions\relax
7858 \renewcommand*\listitemsymbol{\textbullet}
7859 \firstnamecolour{}
7860 \familynamecolour{}
7861 \titlecolour{808080}
7862 \quotecolour{696969}
7863 \addresscolour{696969}
7864 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}

```



```

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

```



```

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

```

## 47 File dblfnote-xetex-bidi.def

```

7948 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7949 \let\autofootnoterule\relax
7950 \let\rightfootnoterule\relax
7951 \let\leftfootnoterule\relax
7952 \let\textwidthfootnoterule\relax
7953 \let\LRfootnoterule\relax
7954 \def\footnoterule{\kern-3\p@
7955   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7956 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
7957 \let\@footnotetext\dfn@footnotetext}
7958 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7959   \let\insert\dfn@gobble
7960   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7961   \def\@makefnmark{\smash{\dfn@makefnmark}}

```



```

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

```



```

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

```





```

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

```



8112 \DFNalwaysdouble

## 48 File diagbox-xetex-bidi.def

```

8113 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
8114 \bidi@patchcmd{\diagbox@double}{%
8115   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8116 }{\bidi@@diagbox@double@ii}{-}{-}
8117 \bidi@patchcmd{\diagbox@double}{%
8118   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
8119 }{\bidi@@diagbox@double@iii}{-}{-}
8120 \newcommand*{\bidi@@diagbox@double@ii}{%
8121   \if@RTL
8122     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
8123   \else
8124     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8125   \fi
8126 }
8127 \newcommand*{\bidi@@diagbox@double@iii}{%
8128   \if@RTL
8129     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8130   \else
8131     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8132   \fi
8133 }
8134 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8135   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8136 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
8137 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8138   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8139 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
8140 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8141   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8142 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
8143 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
8144   \if@RTL
8145     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
8146   \else
8147     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8148   \fi
8149 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
8150   \if@RTL
8151     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8152   \else
8153     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8154   \fi
8155 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
8156 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8157   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
8158 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}

```



```

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

```



```

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

```

## 49 File draftwatermark-xetex-bidi.def

```

8232 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8233 \renewcommand\SetWatermarkText[1]{%
8234   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

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

```

8235 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
8236 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8237   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
8238 }
8239 \ESO@isMEMOIR{%
8240   \renewcommand\AtTextUpperLeft[1]{%
8241     \begingroup
8242       \ifodd\c@page
8243         \@tempdima=\spinemargin
8244       \else
8245         \@tempdima=\paperwidth
8246         \advance\@tempdima-\textwidth
8247         \advance\@tempdima-\spinemargin
8248       \fi
8249       \@tempdimb=-\uppermargin
8250       \AtPageUpperLeft{%
8251         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8252       }%

```



```

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

```

## 51 File empheq-xetex-bidi.def

```

8274 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for X
8275 \MHInternalSyntaxOn
8276 \def\EQ_tag_plus_endmark:{
8277 \iftagsleft@
8278 \gdef\maketag@@@##1{
8279 \hfuzz\displaywidth
8280 \if@RTL\makebox[\widthof{##1}][r]{
8281 \hbox to \displaywidth{\m@th\normalfont##1\hss
8282 \raisebox{-\dp\EQ_mathdisplay_box
8283 -\depthof{\EQ_outerbox:}}{
8284 {\PotEndMark{\hss}}}}
8285 \else\makebox[\widthof{##1}][l]{
8286 \hbox to \displaywidth{\m@th\normalfont##1\hss
8287 \raisebox{-\dp\EQ_mathdisplay_box
8288 -\depthof{\EQ_outerbox:}}{
8289 {\PotEndMark{\hss}}}}\fi}%
8290 \MH_else:
8291 \gdef\maketag@@@##1{
8292 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
8293 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
8294 \MH_addtolength:dn \@tempdima
8295 {g_EQ_bottomtag_depth_dim+\mintagvsep}
8296 \setlength{\@tempdimb
8297 {g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
8298 +\depthof{\EQ_innerbox:}}}}
8299 \MH_if_dim:w \@tempdima>\@tempdimb

```



```

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

```



```

8350 \savebox\EQ_mathtdisplay_box[\l_EQ_totalwidth_dim][c]{%
8351   $\EQ_left_side:
8352   \EQ_innerbox:{%
8353     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8354     \makebox[\l_EQ_displaywidth_dim][c]
8355     {\usebox{\EQ_mathtdisplay_box}}%
8356   \MH_or:
8357     \makebox[\l_EQ_displaywidth_dim][c]
8358     {\usebox{\EQ_mathtdisplay_box}}%
8359   \MH_or:
8360     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8361       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8362       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8363         \kern-\@mathmargin
8364         \MH_fi:
8365       \MH_fi:
8366       \usebox{\EQ_mathtdisplay_box}}%
8367     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8368       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8369       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8370         \kern-\@mathmargin
8371         \MH_fi:
8372       \MH_fi:
8373       \usebox{\EQ_mathtdisplay_box}}\fi%
8374   \MH_or:
8375     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8376       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8377       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8378         \kern-\@mathmargin
8379         \MH_fi:
8380       \MH_fi:
8381       \usebox{\EQ_mathtdisplay_box}}
8382     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8383       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8384       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8385         \kern-\@mathmargin
8386         \MH_fi:
8387       \MH_fi:
8388       \usebox{\EQ_mathtdisplay_box}}\fi%
8389   \MH_fi:}%
8390   \EQ_right_side:$}%
8391 \begin{AmSequation*}
8392 \@nameuse{EQ_place_display_
8393   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8394 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8395 \MH_set_boolean_T:n {show_manual_tags}
8396 \MH_if_case:w \l_EQ_alignmentmode_int
8397 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
8398 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
8399 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3

```



```

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

```

## 52 File extarticle-xetex-bidi.def

```

8436 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8437 \renewcommand*\l@section[2]{%
8438 \ifnum \c@tocdepth >\z@
8439 \addpenalty\@secpenalty
8440 \addvspace{1.0em \@plus\p@}%
8441 \setlength\@tempdima{1.5em}%
8442 \begingroup
8443 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8444 \parfillskip -\@pnumwidth
8445 \leavevmode \bfseries
8446 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```





```

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

```



```

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

```



```

8547 \global\let\title\relax
8548 \global\let\author\relax
8549 \global\let\date\relax
8550 \global\let\and\relax
8551 }
8552 \else
8553 \renewcommand\maketitle{\par
8554 \begin{group}
8555 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8556 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8557 \long\def\@makefntext##1{\parindent 1em\noindent
8558 \hb@xt@1.8em{%
8559 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8560 \if@twocolumn
8561 \ifnum \col@number=\@ne
8562 \@maketitle
8563 \else
8564 \twocolumn[\@maketitle]%
8565 \fi
8566 \else
8567 \newpage
8568 \global\@topnum\z@ % Prevents figures from going at top of page.
8569 \@maketitle
8570 \fi
8571 \thispagestyle{plain}\@thanks
8572 \end{group}
8573 \setcounter{footnote}{0}%
8574 \global\let\thanks\relax
8575 \global\let\maketitle\relax
8576 \global\let\@maketitle\relax
8577 \global\let\@thanks\@empty
8578 \global\let\@author\@empty
8579 \global\let\@date\@empty
8580 \global\let\@title\@empty
8581 \global\let\title\relax
8582 \global\let\author\relax
8583 \global\let\date\relax
8584 \global\let\and\relax
8585 }
8586 \def\@maketitle{%
8587 \newpage
8588 \null
8589 \vskip 2em%
8590 \begin{center}%
8591 \let \footnote \thanks
8592 {\LARGE \@title \par}%
8593 \vskip 1.5em%
8594 {\large
8595 \lineskip .5em%
8596 \begin{tabular}[t]{c}%

```



```

8597         \@author
8598     \end{tabular}\par}%
8599     \vskip 1em%
8600     {\large \@date}%
8601 \end{center}%
8602 \par
8603 \vskip 1.5em}
8604 \fi
8605 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8606 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8607 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8608 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

## 53 File extbook-xetex-bidi.def

```

8609 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8610 \if@titlepage
8611 \renewcommand\maketitle{\begin{titlepage}%
8612 \let\footnotesize\small
8613 \let\right@footnoterule\relax
8614 \let\left@footnoterule\relax
8615 \let\textwidth\footnoterule\relax
8616 \let \footnote \thanks
8617 \let \LTRfootnote \LTRthanks
8618 \let \RTLfootnote \RTLthanks
8619 \null\vfil
8620 \vskip 60\p@
8621 \begin{center}%
8622     {\LARGE \@title \par}%
8623     \vskip 3em%
8624     {\large
8625         \lineskip .75em%
8626         \begin{tabular}[t]{c}%
8627             \@author
8628         \end{tabular}\par}%
8629         \vskip 1.5em%
8630         {\large \@date \par}%           % Set date in \large size.
8631 \end{center}\par
8632 \@thanks
8633 \vfil\null
8634 \end{titlepage}%
8635 \setcounter{footnote}{0}%
8636 \global\let\thanks\relax
8637 \global\let\LTRthanks\relax
8638 \global\let\RTLthanks\relax
8639 \global\let\maketitle\relax
8640 \global\let\@thanks\@empty
8641 \global\let\@author\@empty
8642 \global\let\@date\@empty
8643 \global\let\@title\@empty

```



```

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

```



```

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

```



```

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

```

## 54 File extletter-xetex-bidi.def

```

8783 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8784 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
8785 \thispagestyle{firstpage}%
8786 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8787 \else % home address
8788 \thispagestyle{empty}%
8789 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8790 \fromaddress \*[2\parskip]%

```



```

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

```

## 55 File extrafootnotefeatures-xetex-bidi.def

```

8816 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote featur
8817 \newif\if@bidi@void@footins
8818 \newif\if@bidi@void@mpfootins
8819 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8820 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8821 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8822 \ifHy@hyperfootnotes
8823 \let\@H@footnotetext\@footnotetext
8824 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8825 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8826 \let\@H@mpfootnotetext\@mpfootnotetext
8827 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8828 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8829 \fi
8830 }%
8831 }%
8832 }
8833 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8834 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8835 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8836 \ifHy@hyperfootnotes
8837 \let\@H@footnotetext\@footnotetext

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

9438 \hsize\columnwidth \@parboxrestore
9439 \protected@edef\@currentlabel{%
9440 \csname p@mpfootnote\endcsname\@thefnmark}%
9441 \color@begingroup
9442 \@fourcolfootfmt{#1}%
9443 \color@endgroup}%
9444 \m@mmlf@prepare}
9445 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9446 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9447 \unvbox\@mpfootinsv@r
9448 \def\baselinestretch{\m@m@footnote@spacing}%
9449 \reset@font\LTRfoottextfont
9450 \hsize\columnwidth \@parboxrestore
9451 \if@RTLcolumnfootnotes\beginL\fi
9452 \protected@edef\@currentlabel{%
9453 \csname p@mpfootnote\endcsname\@thefnmark}%
9454 \color@begingroup
9455 \@fourcolLTRfootfmt{#1}%
9456 \color@endgroup}%
9457 \m@mmlf@prepare}
9458 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9459 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9460 \unvbox\@mpfootinsv@r
9461 \def\baselinestretch{\m@m@footnote@spacing}%
9462 \reset@font\RTLfoottextfont
9463 \hsize\columnwidth \@parboxrestore
9464 \protected@edef\@currentlabel{%
9465 \csname p@mpfootnote\endcsname\@thefnmark}%
9466 \color@begingroup
9467 \@fourcolRTLfootfmt{#1}%
9468 \color@endgroup}%
9469 \m@mmlf@prepare}
9470 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9471 \@namedef{@fourcol@footgroup#1}{%
9472 \def\baselinestretch{\m@m@footnote@spacing}%
9473 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9474 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
9475 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9476 \@namedef{@mpfourcol@footgroup#1}{%
9477 \def\baselinestretch{\m@m@footnote@spacing}%
9478 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9479 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
9480 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9481 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9482 \@bidi@before@Hy@hyperfootnotes
9483 \let\@footnotetext\@fivecolfootnotetext
9484 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9485 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9486 \dimen\footinsv@r=5\footinsdim
9487 \count\footinsv@r=200\relax

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

10088 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10089 \unvbox\@mpfootinsv@r
10090 \def\baselinestretch{\m@m@footnote@spacing}%
10091 \reset@font\foottextfont
10092 \hsize\columnwidth \@parboxrestore
10093 \protected@edef\@currentlabel{%
10094 \csname p@mpfootnote\endcsname\@thefnmark}%
10095 \color@begingroup
10096 \@tencolfootfmt{#1}%
10097 \color@endgroup}%
10098 \m@m@mmf@prepare}
10099 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10100 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10101 \unvbox\@mpfootinsv@r
10102 \def\baselinestretch{\m@m@footnote@spacing}%
10103 \reset@font\LTRfoottextfont
10104 \hsize\columnwidth \@parboxrestore
10105 \if@RTLcolumnfootnotes\beginL\fi
10106 \protected@edef\@currentlabel{%
10107 \csname p@mpfootnote\endcsname\@thefnmark}%
10108 \color@begingroup
10109 \@tencolLTRfootfmt{#1}%
10110 \color@endgroup}%
10111 \m@m@mmf@prepare}
10112 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10113 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10114 \unvbox\@mpfootinsv@r
10115 \def\baselinestretch{\m@m@footnote@spacing}%
10116 \reset@font\RTLfoottextfont
10117 \hsize\columnwidth \@parboxrestore
10118 \protected@edef\@currentlabel{%
10119 \csname p@mpfootnote\endcsname\@thefnmark}%
10120 \color@begingroup
10121 \@tencolRTLfootfmt{#1}%
10122 \color@endgroup}%
10123 \m@m@mmf@prepare}
10124 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10125 \@namedef{@tencol@footgroup#1}{%
10126 \def\baselinestretch{\m@m@footnote@spacing}%
10127 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10128 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
10129 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10130 \@namedef{@mptencol@footgroup#1}{%
10131 \def\baselinestretch{\m@m@footnote@spacing}%
10132 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10133 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
10134 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10135 \setbox0=\vbox{\unvbox#1%
10136 \global\setbox1=\lastbox}%
10137 \unhbox1

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

10538 \FeetAboveFloat
10539 \FeetBelowRagged

```

## 56 File extreport-xetex-bidi.def

```

10540 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10541 \renewcommand*\l@part[2]{%
10542   \ifnum \c@tocdepth >-2\relax
10543     \addpenalty{-\@highpenalty}%
10544     \addvspace{2.25em \@plus\p@}%
10545     \begingroup
10546       \setlength\@tempdima{3em}%
10547       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10548       \parfillskip -\@pnumwidth
10549       {\leavevmode
10550         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10551       \nobreak
10552       \global\@nobreaktrue
10553       \everypar{\global\@nobreakfalse\everypar{}}%
10554     \endgroup
10555   \fi}
10556 \renewcommand*\l@chapter[2]{%
10557   \ifnum \c@tocdepth >\m@ne
10558     \addpenalty{-\@highpenalty}%
10559     \vskip 1.0em \@plus\p@
10560     \setlength\@tempdima{1.5em}%
10561     \begingroup
10562       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10563       \parfillskip -\@pnumwidth
10564       \leavevmode \bfseries
10565       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10566       \hskip -\if@RTL\rightskip\else\leftskip\fi
10567       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10568       \penalty\@highpenalty
10569     \endgroup
10570   \fi}
10571 \def\@makechapterhead#1{%
10572   \vspace*{50\p@}%
10573   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10574     \ifnum \c@secnumdepth >\m@ne
10575       \huge\bfseries \@chapapp\space \thechapter
10576       \par\nobreak
10577       \vskip 20\p@
10578     \fi
10579     \interlinepenalty\@M
10580     \Huge \bfseries #1\par\nobreak
10581     \vskip 40\p@
10582   }}
10583 \def\@makeschapterhead#1{%
10584   \vspace*{50\p@}%

```



```

10585 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10586 \normalfont
10587 \interlinepenalty\@M
10588 \Huge \bfseries #1\par\nobreak
10589 \vskip 40\p@
10590 }}
10591 \renewcommand\left@footnoterule{%
10592 \kern-3\p@
10593 \hrule\@width.4\columnwidth
10594 \kern2.6\p@}
10595 \renewcommand\right@footnoterule{%
10596 \kern-3\p@
10597 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10598 \kern2.6\p@}
10599 \renewenvironment{thebibliography}[1]
10600 {\chapter*{\bibname
10601 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10602 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10603 \bidi@thebibliography@font@hook%
10604 \list{\@biblabel{\@arabic\c@enumiv}}%
10605 {\settowidth\labelwidth{\@biblabel{#1}}%
10606 \leftmargin\labelwidth
10607 \advance\leftmargin\labelsep
10608 \@openbib@code
10609 \usecounter{enumiv}%
10610 \let\p@enumiv\@empty
10611 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10612 \sloppy\clubpenalty4000\widowpenalty4000%
10613 \sfcode`.\@m}
10614 {\def\@noitemerr
10615 {\@latex@warning{Empty `thebibliography' environment}}%
10616 \endlist}
10617 \if@titlepage
10618 \renewcommand\maketitle{\begin{titlepage}%
10619 \let\footnotesize\small
10620 \let\right@footnoterule\relax
10621 \let\left@footnoterule\relax
10622 \let\textwidth\footnoterule\relax
10623 \let \footnote \thanks
10624 \null\vfil
10625 \vskip 60\p@
10626 \begin{center}%
10627 {\LARGE \@title \par}%
10628 \vskip 3em%
10629 {\large
10630 \lineskip .75em%
10631 \begin{tabular}[t]{c}%
10632 \@author
10633 \end{tabular}\par}%
10634 \vskip 1.5em%

```



```

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

```



```

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

```

## 57 File fancybox-xetex-bidi.def

```

10716 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10717 \def\fancy@oval#1#2#3{%
10718   \boxmaxdepth \maxdimen
10719   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10720   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10721   \@ovxx#1\relax
10722   \advance\@ovxx-\@wholewidth
10723   \@ovyy#2\relax
10724   \advance\@ovyy-\@wholewidth
10725   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
10726   \advance\@tempdimb-2\p@
10727   \ifdim\@tempdimb>\the@cornersize\relax
10728     \@tempdimb=\the@cornersize
10729   \fi
10730   \@getcirc\@tempdimb
10731   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa

```



```

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

```

## 58 File fancyhdr-xetex-bidi.def

```

10745 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10746
10747 \let\f@nch@everypar\everypar
10748
10749 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10750   \f@nch@vbox\headheight{\hbox
10751     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10752     \parbox[b]{\headwidth}{\centering#3}\hfill
10753     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10754
10755 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10756   \f@nch@vbox\footskip{\footrule
10757     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10758     \parbox[t]{\headwidth}{\centering#3}\hfill
10759     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10760

```

## 59 File fix2col-xetex-bidi.def

```

10761 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10762 \def\RTL@outputdblcol{%
10763   \if@firstcolumn
10764     \global\@firstcolumnfalse
10765     \global\setbox\@leftcolumn\copy\@outputbox
10766     \splitmaxdepth\maxdimen
10767     \vbadness\maxdimen
10768     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10769     \toks@{\expandafter{\topmark}}%
10770     \xdef\@firstcoltopmark{\the\toks@}%
10771     \toks@\expandafter{\splitfirstmark}%
10772     \xdef\@firstcolfirstmark{\the\toks@}%
10773     \ifx\@firstcolfirstmark\@empty
10774       \global\let\@setmarks\relax
10775     \else

```



```

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

```





```

10826      \hb@xt@\columnwidth{%
10827      \bidi@lastcolumn@status@write%
10828      \box\@outputbox \hss}}}%
10829 \@@combinedblfloats
10830 \@@setmarks
10831 \@@outputpage
10832 \begin@group
10833 \@@dblfloatplacement
10834 \@@startdblcolumn
10835 \@whiles\if@fcolmade \fi{\@@outputpage\@@startdblcolumn}%
10836 \endgroup
10837 \fi}

```

## 60 File fleqn-xetex-bidi.def

```

10838 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10839 \renewcommand\relax
10840     \ifmmode\@badmath
10841     \else
10842         \begin{trivlist}%
10843             \@beginparpenalty\predisplaypenalty
10844             \@endparpenalty\postdisplaypenalty
10845             \item[]\leavevmode
10846             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10847             \hskip\mathindent\bgroup
10848         \fi}
10849 \renewcommand\relax
10850     \ifmmode
10851         \egroup $\hfil% $
10852         \endL\egroup
10853     \end{trivlist}%
10854     \else \@badmath
10855     \fi}
10856 \renewenvironment{equation}%
10857     {\@beginparpenalty\predisplaypenalty
10858     \@endparpenalty\postdisplaypenalty
10859     \refstepcounter{equation}%
10860     \trivlist \item[]\leavevmode
10861     \hb@xt@\linewidth\bgroup\beginL $ \m@th% $
10862     \displaystyle
10863     \hskip\mathindent}%
10864     {$\hfil % $
10865     \displaywidth\linewidth\hbox{\@eqnnum}%
10866     \endL\egroup
10867     \endtrivlist}

```

## 61 File float-xetex-bidi.def

```

10868 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
10869 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%

```



```

10870 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10871 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10872 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10873 \expandafter\edef\csname the#1\endcsname{%
10874 \expandafter\noexpand\csname
10875 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10876 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

## 62 File floatrow-xetex-bidi.def

```

10877 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package]
10878 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10879 \expandafter\edef\csname theFB@captype\endcsname{%
10880 \expandafter\noexpand\csname
10881 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

## 63 File flowfram-xetex-bidi.def

```

10882 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package]
10883 \def\@outputdblcol{%
10884 \@nxtcol=\c@thisframe
10885 \c@curpg=\c@page
10886 \@g@tnextcol{\@nxtcol}%
10887 \if@ff@nwpg % next flow frame starts on new page
10888 \global\@firstcolumntrue
10889 \@setcolbox\c@thisframe
10890 \if@specialpage
10891 \global\@specialpagefalse
10892 \@nameuse{ps@\@specialstyle}\relax
10893 \fi
10894 \if@twoside
10895 \ifodd\count\z@
10896 \let\@thehead\@oddhead
10897 \let\@thefoot\@oddfoot
10898 \else
10899 \let\@thehead\@evenhead
10900 \let\@thefoot\@evenfoot
10901 \fi
10902 \else
10903 \let\@thehead\@oddhead
10904 \let\@thefoot\@oddfoot
10905 \fi
10906 \@beginvdi
10907 \dodynamicthehead\dodynamicthefoot
10908 \vbadness=\@M
10909 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10910 \@combinedblfloats
10911 \@outputpage
10912 \advance\c@curpg by -\c@page\relax
10913 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax

```



```

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

```



```

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

```



```

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

```

## 64 File footnote-xetex-bidi.def

```

11032 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11033 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11034 \newif\ifbidi@autofootnoterule
11035 \def\bidi@mpfootnoterule{\footnoterule}
11036 \newcounter{footdir@label}
11037 \renewcommand*{\thefootdir@label}{\footdir@the\value{footdir@label}}
11038 \newcommand*{\footdir@write}{%
11039   \stepcounter{footdir@label}%
11040   \zref@labelbyprops{\thefootdir@label}{abspage}%
11041 }
11042 \newif\iffootdir@debug
11043 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11044 \newtoks\footdir@toks
11045 \newcommand*{\footdir@debug}[1]{%
11046   \iffootdir@debug
11047     \typeout{[footdir] #1}%
11048   \fi
11049 }
11050 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11051 %  \newcommand*{\footdir@LeftRightElse}{%
11052 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
11053 %      \footdir@debug{abspage \the\value{zabspage}: else}%
11054 %      \ltx@thirdofthree
11055 %    }{%
11056 %      \ifcsname footdir@the\value{zabspage}\endcsname L%
11057 %        \footdir@debug{abspage \the\value{zabspage}: left}%
11058 %        \expandafter\ltx@firstofthree
11059 %      \else
11060 %        \footdir@debug{abspage \the\value{zabspage}: right}%

```



```

11061 %          \expandafter\ltx@secondofthree
11062 %          \fi
11063 %      }%
11064 % }%
11065 %}{%
11066 \providecommand*{\c@zabspage}{\c@abspage}%
11067 \newcommand*{\footdir@LeftRightElse}{%
11068   \footdir@write
11069   \zifrefundefined{\thefootdir@label}{%
11070     \footdir@debug{abspage ??: else}%
11071     \ltx@thirdofthree
11072   }{%
11073     \edef\footdir@abspage{%
11074       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11075     }%
11076     \ltx@ifundefined{footdir@\footdir@abspage}{%
11077       \footdir@debug{\footdir@abspage: else}%
11078       \ltx@thirdofthree
11079     }{%
11080       \if\csname footdir@\footdir@abspage\endcsname L%
11081         \footdir@debug{\footdir@abspage: left}%
11082         \expandafter\ltx@firstofthree
11083       \else
11084         \footdir@debug{\footdir@abspage: right}%
11085         \expandafter\ltx@secondofthree
11086       \fi
11087     }%
11088   }%
11089 }%
11090 %}
11091 \newcommand*{\footdir@fntext}[1]{%
11092   \zifrefundefined{\thefootdir@label}{%
11093   }{%
11094     \edef\footdir@name{%
11095       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11096     }%
11097     \@ifundefined{\footdir@name}{%
11098       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11099     }{%
11100     }%
11101   }
11102 }
11103 \newcommand*{\footdir@temp}[3]{%
11104   \@ifdefinable{#1}{%
11105     \let#1#2%
11106     \renewcommand{#2}[1]{%
11107       \footdir@write
11108       \footdir@fntext{#3}%
11109       \stepcounter{footdir@label}%
11110       \footdir@fntext{#3}%

```



```

11111 \footdir@toks{##1}%
11112 \footdir@toks\expandafter{%
11113 \the\expandafter\footdir@toks
11114 \expandafter
11115 \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
11116 }%
11117 \expandafter#1\expandafter{\the\footdir@toks}%
11118 }%
11119 }%
11120 }
11121
11122 \def\right@footnoterule{%
11123 \kern-3\p@
11124 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11125 \kern2.6\p@}
11126 \def\left@footnoterule{\kern-3\p@
11127 \hrule \@width .4\columnwidth \kern 2.6\p@}
11128 \def\textwidth@footnoterule{\kern-3\p@
11129 \hrule \@width \columnwidth \kern 2.6\p@}
11130 \def\leftfootnoterule{%
11131 \bidi@autofootnoterulefalse%
11132 \def\footnoterule{\left@footnoterule}}
11133 \let\LRfootnoterule=\leftfootnoterule
11134 \def\rightfootnoterule{%
11135 \bidi@autofootnoterulefalse%
11136 \def\footnoterule{\right@footnoterule}}
11137 \def\textwidthfootnoterule{%
11138 \bidi@autofootnoterulefalse%
11139 \def\footnoterule{\textwidth@footnoterule}}
11140
11141
11142
11143 \def\auto@footnoterule{%
11144 \footdir@LeftRightElse%
11145 \left@footnoterule%
11146 \right@footnoterule%
11147 \left@footnoterule%
11148 }
11149
11150
11151
11152 \def\autofootnoterule{%
11153 \bidi@autofootnoteruletrue%
11154 \def\footnoterule{\auto@footnoterule}%
11155 }
11156
11157 \newcommand*\SplitFootnoteRule{%
11158 \gdef\split@prev{0}
11159 \let\pagefootnoterule\footnoterule
11160 \let\mpfootnoterule\footnoterule

```



```

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

```





```

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

```



```

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

```



```

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

```



```

11361 \def\RTLfootnotetext{%
11362     \ifnextchar [\@xRTLfootnotenext
11363         {\protected@xdef\@thefnmark{\thempfn}%
11364         \@RTLfootnotetext}}
11365 \def\@xRTLfootnotenext[#1]{%
11366     \begingroup
11367         \csname c@\mpfn\endcsname #1\relax
11368         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11369     \endgroup
11370     \@RTLfootnotetext}
11371 \leftfootnoterule

```

## 65 File framed-xetex-bidi.def

```

11372 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for X
11373 \renewcommand\TitleBarFrame[3][\begingroup
11374     \ifx\delimiter#1\delimiter
11375         \let\TF@conlab\@empty
11376     \else
11377         \def\TF@conlab{% continuation label
11378         \nointerlineskip
11379         \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
11380     \fi
11381     \let\TF@savecolor\current@color
11382     \textcolor\TF@FrameColor{%
11383     \CustomFBox
11384         {\TF@Title{#2}}{\TF@conlab}%
11385     \fbboxrule\fbboxrule\fbboxrule\fbboxrule
11386     {%\let\current@color\TF@savecolor\set@color #3}%
11387     {\normalcolor #3}%
11388 } \endgroup
11389 }
11390 \renewenvironment{titled-frame}[1]{%
11391     \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
11392         \TitleBarFrame{\textbf{#1}}}%
11393     \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
11394         \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11395     \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
11396         \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont)}}
11397     \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
11398         \TitleBarFrame{\textbf{#1\ (cont)}}}%
11399     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11400 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11401 % could interfere with the width measurement.
11402 {\endMakeFramed}
11403 \chardef\FrameRestore=\catcode`\| % for debug
11404 \catcode`\|=\catcode`\% (debug: insert space after backslash)
11405 \def\fb@put@frame#1#2{\relax
11406     \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11407 | \message{===== Entering putframe =====^~J

```



```

11408 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11409 \ifinner
11410 \fb@putboxa#1%
11411 \fb@afterframe
11412 \else
11413 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11414 \ifdim\dimen@<2\baselineskip % Too little room on page
11415 | \message{Page has only \the\dimen@\space room left; eject. }%
11416 \eject \fb@adjheight \fb@put@frame#1#2%
11417 \else % there's appreciable room left on the page
11418 \fb@sizeofframe#1%
11419 | \message{\string\pagetotal=\the\pagetotal,
11420 | \string\pagegoal=\the\pagegoal,
11421 | \string\pagestretch=\the\pagestretch,
11422 | \string\pageshrink=\the\pageshrink,
11423 | \string\fb@frh=\the\fb@frh. \space}
11424 | \message{^^JBox of size \the\ht\@tempboxa\space}%
11425 \begingroup % temporarily set \dimen@ to be...
11426 \advance\dimen@.8\pageshrink % maximum space available on page
11427 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11428 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11429 \expandafter\endgroup
11430 % expand \ifdim, then restore \dimen@ to real room left on page
11431 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11432 | \message{fits in \the\dimen@. }%
11433 % ToDo: Change this to use vsplit anyway to capture the marks
11434 % MERGE THIS WITH THE else CLAUSE!!!
11435 \fb@putboxa#1%
11436 \fb@afterframe
11437 \else % box must be split
11438 | \message{must be split to fit in \the\dimen@. }%
11439 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11440 \fb@sizeofframe#2%
11441 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11442 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11443 \kern137sp\kern-137sp\penalty-30
11444 \unvbox\@tempboxa}%
11445 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11446 \splittopskip\the\splittopskip}%
11447 \boxmaxdepth\z@ \splittopskip\z@
11448 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11449 % Split box here
11450 \setbox\tw@vsplit\@tempboxa to\dimen@
11451 | \toks99\expandafter{\splitfirstmark}%
11452 | \toks98\expandafter{\splitbotmark}%
11453 | \message{Marks are: \the\toks99, \the\toks98. }%
11454 \setbox\tw@vbox{\unvbox\tw@}% natural-sized
11455 | \message{Natural height of split box is \the\ht\tw@, leaving
11456 | \the\ht\@tempboxa\space remainder. }%
11457 % If the split-to size > (\vsize-\topskip), then set box to full size.

```



```

11458 \beginngroup
11459 \advance\dimen@ \topskip
11460 \expandafter\endgroup
11461 \ifdim\dimen@>\pagegoal
11462 | \message{Frame is big -- Use up the full column. }%
11463 \dimen@ii\pagegoal
11464 \advance\dimen@ii -\topskip
11465 \advance\dimen@ii \FrameHeightAdjust\relax
11466 \else % suspect this is implemented incorrectly:
11467 % If the split-to size > feasible room_on_page, rebox it smaller.
11468 \advance\dimen@.8\pageshrink
11469 \ifdim\ht\tw@>\dimen@
11470 | \message{Box too tall; rebox it to \the\dimen@. }%
11471 \dimen@ii\dimen@
11472 \else % use natural size
11473 \dimen@ii\ht\tw@
11474 \fi
11475 \fi
11476 % Re-box contents to desired size \dimen@ii
11477 \advance\dimen@ii -\fb@frh
11478 \setbox\tw@\vbox to\dimen@ii \bgroup
11479 % remove simulated frame and page flexibility:
11480 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11481 \unvbox\tw@ \unpenalty\unpenalty
11482 \ifdim\lastkern=-137sp % whole box went to next page
11483 | \message{box split at beginning! }%
11484 % need work here???
11485 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11486 \fb@adjheight
11487 \fb@put@frame#1#2% INSERTED ???
11488 \else % Got material split off at the head
11489 \egroup \fb@resto@set
11490 \ifvoid\@tempboxa % it all fit after all
11491 | \message{box split at end! }%
11492 \setbox\@tempboxa\box\tw@
11493 \fb@putboxa#1%
11494 \fb@afterframe
11495 \else % it really did split
11496 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11497 \ifdim\wd\tw@>\z@
11498 \wd\tw@\wd\@tempboxa
11499 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11500 \else
11501 | \message{Zero width means likely blank. Don't frame it (guess)}%
11502 \box\tw@
11503 \fi
11504 \hrule \@height\z@ \@width\hsize
11505 \eject
11506 \fb@adjheight
11507 \fb@put@frame\LastFrameCommand\MidFrameCommand

```



```

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

```

## 66 File ftnright-xetex-bidi.def

```

11549 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
11550
11551 \def\prepare@bidi@copyins{%
11552 \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
11553 \global\skip\@bidi@copyins@\z@
11554 \global\count\@bidi@copyins@\z@

```



```

11555 \global\dimen\@bidi@copyins@\textheight}
11556
11557 \newskip\bidi@rcol@copyinsskip
11558
11559 \def\LTR@outputdblcol{%
11560 \if@firstcolumn
11561 \global\@firstcolumnfalse
11562 \global\setbox\@leftcolumn\copy\@outputbox
11563 \global\count\footins\@m
11564 \global\skip\footins\rcol@footinsskip
11565 \global\count\@bidi@copyins@\@m
11566 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
11567 \splitmaxdepth\maxdimen
11568 \vbadness\maxdimen
11569 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11570 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11571 \toks@\expandafter{\topmark}%
11572 \xdef\@firstcoltopmark{\the\toks@}%
11573 \toks@\expandafter{\splitfirstmark}%
11574 \xdef\@firstcolfirstmark{\the\toks@}%
11575 \ifx\@firstcolfirstmark\@empty
11576 \global\let\@setmarks\relax
11577 \else
11578 \gdef\@setmarks{%
11579 \let\firstmark\@firstcolfirstmark
11580 \let\topmark\@firstcoltopmark}%
11581 \fi
11582 \else
11583 \preparefootins
11584 \prepare@bidi@copyins
11585 \global\@firstcolumntrue
11586 \setbox\@outputbox\vbox{%
11587 \hb@xt@\textwidth{%
11588 \hb@xt@\columnwidth{%
11589 \bidi@firstcolumn@status@write%
11590 \box\@leftcolumn \hss}%
11591 \hfil
11592 {\normalcolor\vrule \@width\columnseprule}%
11593 \hfil
11594 \hb@xt@\columnwidth{%
11595 \bidi@lastcolumn@status@write%
11596 \box\@outputbox \hss}}}%
11597 \@combinedblfloats
11598 \@setmarks
11599 \@outputpage
11600 \beginingroup
11601 \@dblfloatplacement
11602 \@startdblcolumn
11603 \@whiles\if@fcolmade \fi{\@outputpage
11604 \@startdblcolumn}%

```





```

11605 \endgroup
11606 \fi}%
11607
11608 \def\RTL@outputdblcol{%
11609 \if@firstcolumn
11610 \global\@firstcolumnfalse
11611 \global\setbox\@leftcolumn\copy\@outputbox
11612 \global\count\footins\@m
11613 \global\skip\footins\rcol@footinsskip
11614 \global\count\@bidi@copyins@\@m
11615 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
11616 \splitmaxdepth\maxdimen
11617 \vbadness\maxdimen
11618 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11619 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11620 \toks@\expandafter{\topmark}%
11621 \xdef\@firstcoltopmark{\the\toks@}%
11622 \toks@\expandafter{\splitfirstmark}%
11623 \xdef\@firstcolfirstmark{\the\toks@}%
11624 \ifx\@firstcolfirstmark\@empty
11625 \global\let\@setmarks\relax
11626 \else
11627 \gdef\@setmarks{%
11628 \let\firstmark\@firstcolfirstmark
11629 \let\topmark\@firstcoltopmark}%
11630 \fi
11631 \else
11632 \preparefootins
11633 \prepare@bidi@copyins
11634 \global\@firstcolumntrue
11635 \setbox\@outputbox\vbox{%
11636 \hb@xt@\textwidth{%
11637 \hskip \columnwidth
11638 \hfil
11639 {\normalcolor\vrule \@width\columnseprule}%
11640 \hfil
11641 \hb@xt@\columnwidth{%
11642 \bidi@firstcolumn@status@write%
11643 \box\@leftcolumn \hss}%
11644 \hskip -\textwidth
11645 \hb@xt@\columnwidth{%
11646 \bidi@lastcolumn@status@write%
11647 \box\@outputbox \hss}%
11648 \hskip \columnsep
11649 \hskip \columnwidth }}%
11650 \@combinedblfloats
11651 \@setmarks
11652 \@outputpage
11653 \begingroup
11654 \@dblfloatplacement

```



```

11655 \startdblcolumn
11656 \whilesw@if@fcolmade \fi{\@outputpage
11657 \startdblcolumn}%
11658 \endgroup
11659 \fi}%
11660
11661 \def\@startcolumn{%
11662 \ifx\@deferlist\@empty
11663 \global\@fcolmadefalse
11664 \global\@colroom\@colht
11665 \else
11666 \ifvoid\footins\else
11667 \ftn@amount\ht\footins
11668 \advance\ftn@amount\dp\footins
11669 \advance\ftn@amount\skip\footins
11670 \fi
11671 \ifvoid\@bidi@copyins\else
11672 \bidi@copyins@amount\ht\@bidi@copyins@
11673 \advance\bidi@copyins@amount\dp\@bidi@copyins@
11674 \advance\bidi@copyins@amount\skip\@bidi@copyins@
11675 \fi
11676 \global\advance\@colht-\ftn@amount
11677 \global\advance\@colht-\bidi@copyins@amount
11678 \global\@colroom\@colht
11679 \xstartcol
11680 \global\advance\@colht\ftn@amount
11681 \global\advance\@colroom\ftn@amount
11682 \global\advance\@colht\bidi@copyins@amount
11683 \global\advance\@colroom\bidi@copyins@amount
11684 \fi
11685 \if@fcolmade
11686 \setbox\@cclv\box\@outputbox
11687 \@makecol
11688 \else
11689 \ifvoid\footins\else
11690 \insert\footins{\unvbox\footins}\fi
11691 \ifvoid\@bidi@copyins\else
11692 \insert\@bidi@copyins{\unvbox\@bidi@copyins}\fi
11693 \fi}
11694
11695 \newdimen\bidi@copyins@amount
11696
11697 \def\@makecol{\if@firstcolumn
11698 \setbox\@outputbox\box\@cclv
11699 \if@twocolumn \else
11700 \ifvoid\footins \else
11701 \latexerr{ftnright package
11702 used in one-column mode}%
11703 {The ftnright package was designed to
11704 work with LaTeX's standard~Jtwocolumn

```



```

11705 option. It does *not* work with the
11706 multicol package.^^JSo please specify
11707 `twocolumn' in the
11708 \noexpand\documentclass command.}%
11709 \shipout\box\footins \fi
11710 \ifvoid\@bidi@copyins@ \else
11711 \latexerr{ftnright package
11712 used in one-column mode}%
11713 {The ftnright package was designed to
11714 work with LaTeX's standard^^Jtwocolumn
11715 option. It does *not* work with the
11716 multicol package.^^JSo please specify
11717 `twocolumn' in the
11718 \noexpand\documentclass command.}%
11719 \shipout\box\@bidi@copyins@ \fi\fi
11720 \ifnum\insertpenalties>\z@
11721 \latexerr{ftnright package
11722 scrambled footnotes}%
11723 {There is too much footnote material in
11724 the first column and ftnright^^Jis
11725 unable to cope with this.^^JYou need
11726 to reduce the amount to get a properly
11727 formatted page.}%
11728 \fi
11729 \else
11730 \ifvoid\footins
11731 \ifvoid\@bidi@copyins@
11732 \setbox\@outputbox\box\@cclv
11733 \else
11734 \setbox\@outputbox\vbox
11735 {\ifvoid\@cclv \else
11736 \unvbox\@cclv
11737 \vskip \skip\@bidi@copyins@
11738 \fi
11739 \color@begingroup
11740 \normalcolor
11741 \unvbox \@bidi@copyins@
11742 \color@endgroup}%
11743 \fi
11744 \else
11745 \setbox\@outputbox\vbox
11746 {\ifvoid\@cclv \else
11747 \unvbox\@cclv
11748 \vskip\skip\footins\fi
11749 \color@begingroup
11750 \normalcolor
11751 \footnoterule\unvbox\footins
11752 \color@endgroup
11753 \ifvoid\@bidi@copyins@
11754 \else

```





```

11802 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11803 \setkeys{Grot}{#1}%
11804 \setbox\z@\box\@tempboxa
11805 \Grot@setangle{#2}%
11806 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11807 \@end@tempboxa}
11808 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11809 \leavevmode
11810 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11811 \setbox\z@\hbox{\{#3\}}%
11812 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11813 \ifdim#2\p<\z@
11814 \ht\tw@-#2\dp\z@
11815 \dp\tw@-#2\ht\z@
11816 \else
11817 \ht\tw@#2\ht\z@
11818 \dp\tw@#2\dp\z@
11819 \fi
11820 \ifdim#1\p<\z@
11821 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11822 \else
11823 \wd\tw@#1\wd\z@
11824 \box\tw@
11825 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11826 \def\Gin@iii[#1,#2][#3,#4]#5{%
11827 \begingroup
11828 \ifmmode\else\if@RTL\beginL\fi\fi
11829 \Gin@bboxtrue
11830 \Gin@defaultbp\Gin@llx{#1}%
11831 \Gin@defaultbp\Gin@lly{#2}%
11832 \Gin@defaultbp\Gin@urx{#3}%
11833 \Gin@defaultbp\Gin@ury{#4}%
11834 \Gin@include@graphics{#5}%
11835 \ifmmode\else\if@RTL\endL\fi\fi
11836 \endgroup}
11837 \def\Gin@ii[#1]#2{%
11838 \def\@tempa{[]}\def\@tempb{#2}%
11839 \ifx\@tempa\@tempb
11840 \def\@tempa{\Gin@iii[#1] []}%
11841 \expandafter\@tempa
11842 \else
11843 \begingroup
11844 \ifmmode\else\if@RTL\beginL\fi\fi
11845 \@tempswafalse
11846 \toks@{\Gin@include@graphics{#2}}%
11847 \setkeys{Gin}{#1}%
11848 \Gin@esetsize
11849 \the\toks@
11850 \ifmmode\else\if@RTL\endL\fi\fi
11851 \endgroup

```



```

11852     \fi}
11853 \def\reflectbox{\bidiGscale@box-1[1]}
11854 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11855   \leavevmode
11856   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11857   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11858   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11859   \ifdim#2\p<\z@
11860     \ht\tw@-#2\dp\z@
11861     \dp\tw@-#2\ht\z@
11862   \else
11863     \ht\tw@#2\ht\z@
11864     \dp\tw@#2\dp\z@
11865   \fi
11866   \ifdim#1\p<\z@
11867     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11868   \else
11869     \wd\tw@#1\wd\z@
11870     \box\tw@
11871   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11872 \def\scalebox#1{%
11873   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
11874 \def\resizebox{%
11875   \leavevmode
11876   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11877 \def\bidiGscale@@box#1#2#3{%
11878   \let\@tempa\Gin@exclamation
11879   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11880   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11881   \ifx\@tempb\@tempa
11882     \ifx\@tempc\@tempa
11883       \toks@{\mbox}%
11884     \else
11885       \toks@{\bidiGscale@box@dd{#3}#1}%
11886     \fi
11887   \else
11888     \ifx\@tempc\@tempa
11889       \toks@{\bidiGscale@box@dd{#2}\width}%
11890     \else
11891       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11892     \fi
11893   \fi
11894   \the\toks@}
11895 \long\def\bidiGscale@box@dd#1#2#3{%
11896   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11897   \setlength\@tempdima{#1}%
11898   \setlength\@tempdimb{#2}%
11899   \Gscale@div\@tempa\@tempdima\@tempdimb
11900   \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11901   \@end@tempboxa}

```



```

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

```

## 68 File geometry-xetex-bidi.def

```

11919 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package ]
11920 \renewcommand*\Gm@vrules@mpi{%
11921 \if@RTLmain%
11922   \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11923     \llap{\Gm@vrule}\ignorespaces
11924     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11925     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11926 \else%
11927 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11928 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11929 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11930 \renewcommand*\Gm@vrules@mpii{%
11931 \if@RTLmain%
11932 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11933 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11934 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11935 \else%
11936 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11937 \llap{\Gm@vrule}\ignorespaces
11938 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11939 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11940 \bidi@patchcmd{\Gm@pageframes}{%
11941   \ifodd\count\z@
11942     \let\@themargin\oddsidemargin
11943   \else
11944     \let\@themargin\evensidemargin
11945   \fi
11946 }{%
11947   \ifodd\count\z@
11948   \if@RTLmain

```



```

11949         \let\@themargin\evensidemargin
11950     \else
11951         \let\@themargin\oddsidemargin
11952     \fi
11953 \else
11954     \if@RTLmain
11955         \let\@themargin\oddsidemargin
11956     \else
11957         \let\@themargin\evensidemargin
11958     \fi
11959 \fi
11960 }{}{}

```

## 69 File hvfloat-xetex-bidi.def

```

11961 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11962 \def\do@hvFloat[#1]#2#3{%
11963 \def\hv@shortCap{#1}
11964 \def\hv@longCap{#2}
11965 \def\hv@label{#3}
11966 %\newcommand*{\hvFloat}[5][]{%
11967 % #1: keyvalues
11968 % #2: type figure | table | ...
11969 % #3: float contents
11970 % #4: short caption
11971 % #5: caption
11972 % #6: label
11973 % \setDefault%
11974 % \def\@tempa{#1}%
11975 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11976 \def\@tempa{90}%
11977 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11978 \else \setlength{\hvMaxCapWidth}{\linewidth}
11979 \fi
11980 %
11981 % First we save the object in \hvObjectBox
11982 %
11983 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11984     \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11985 \else
11986     \savebox{\hvObjectBox}{%
11987         \rotatebox{\hvSet@objectAngle}{%
11988             \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11989 \fi
11990 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11991 %
11992 % Now we save the caption with its defined \hvCapWidth
11993 %
11994 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11995 \else

```





```

11996 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11997 \else
11998 \setlength{\hvCapWidth}{\hvObjectWidth}
11999 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12000 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12001 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
12002 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
12003 \else
12004 \setlength{\hvCapWidth}{\hvMaxCapWidth}
12005 \fi
12006 \fi
12007 \fi
12008 %
12009 % now we have the object and the caption with the right
12010 % rotated angles saved in boxes
12011 %
12012 \def\fps@figure{\hvSet@floatPos}
12013 \ifhv@nonFloat\begin{group}% Start the nonfloat part
12014 \else \begin{\hv@floatType}% Start the floating environment
12015 \fi%
12016 \saveCaptionSkip% we put this space ourselves
12017 \ifx\hvSet@capAngle\hv@Width % need rotation?
12018 \sbox{\hvCaptionBox}{%
12019 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12020 \ifhv@nonFloat%
12021 \ifhv@onlyText#2%
12022 \else%
12023 \ifx\hv@floatType\hv@figure
12024 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
12025 \else
12026 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
12027 \fi
12028 \fi
12029 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
12030 \fi%
12031 \label{#3}%
12032 \end{minipage}%
12033 }%
12034 \else%
12035 \sbox{\hvCaptionBox}{%
12036 \rotatebox{\hvSet@capAngle}{%
12037 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12038 \ifhv@nonFloat%
12039 \ifhv@onlyText#2%
12040 \else%
12041 \ifx\hv@floatType\hv@figure
12042 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
12043 \else
12044 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
12045 \fi

```



```

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

```



```

12096 \fbox{\usebox{\hvObjectBox}}%
12097 \else
12098 \usebox{\hvObjectBox}%
12099 \fi
12100 \hspace{\hvSet@floatCapSep pt}%
12101 \ifhv@fbox
12102 \fbox{\usebox{\hvCaptionBox}}%
12103 \else
12104 \usebox{\hvCaptionBox}%
12105 \fi%
12106 \fi%
12107 \fi%
12108 \else% not RTL
12109 \ifx\hvSet@capVPos\hv@Center%
12110 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12111 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12112 \fi%
12113 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12114 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12115 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12116 \fi%
12117 \else%
12118 \ifx\hvSet@capVPos\hv@Top % caption at top
12119 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12120 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12121 \fi
12122 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12123 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12124 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12125 \fi%
12126 \else% caption on bottom
12127 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12128 \else\usebox{\hvCaptionBox}
12129 \fi%
12130 \hspace{\hvSet@floatCapSep pt}%
12131 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12132 \else \usebox{\hvObjectBox}
12133 \fi%
12134 \fi%
12135 \fi% end of RTL
12136 \fi%
12137 \else
12138 \ifx\hvSet@capPos\hv@Top
12139 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12140 \begin{minipage}{\wd\hvCaptionBox}
12141 \else
12142 \begin{minipage}{\wd\hvObjectBox}
12143 \fi
12144 \centering
12145 \ifhv@fbox

```



```

12146 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12147 \fbox{\usebox{\hvObjectBox}}
12148 \else
12149 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12150 \usebox{\hvObjectBox}
12151 \fi%
12152 \end{minipage}
12153 \else
12154 \ifx\hvSet@capPos\hv@Bottom
12155 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12156 \begin{minipage}{\wd\hvCaptionBox}
12157 \else
12158 \begin{minipage}{\wd\hvObjectBox}
12159 \fi
12160 \centering
12161 \ifhv@fbox
12162 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12163 \fbox{\usebox{\hvCaptionBox}}
12164 \else
12165 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12166 \usebox{\hvCaptionBox}
12167 \fi%
12168 \end{minipage}
12169 \else% the last option: put the caption on the right
12170 \if@RTL%
12171 \ifx\hvSet@capVPos\hv@Center%
12172 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12173 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12174 \fi%
12175 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12176 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12177 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12178 \fi%
12179 \else%
12180 \ifx\hvSet@capVPos\hv@Top % caption at top
12181 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12182 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12183 \fi
12184 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12185 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
12186 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12187 \fi%
12188 \else% caption on bottom
12189 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12190 \else\usebox{\hvCaptionBox}
12191 \fi%
12192 \hspace{\hvSet@floatCapSep pt}%
12193 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12194 \else \usebox{\hvObjectBox}
12195 \fi%

```



```

12196     \fi%
12197     \fi%
12198 \else% not RTL
12199 \ifx\hvSet@capVPos\hv@Center%
12200 \ifhv@fbox
12201 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12202 \else
12203 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12204 \fi%
12205 \hspace{\hvSet@floatCapSep pt}%
12206 \ifhv@fbox
12207 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12208 \else
12209 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12210 \fi%
12211 \else%
12212 \ifx\hvSet@capVPos\hv@Top
12213 \ifhv@fbox
12214 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12215 \else
12216 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12217 \fi%
12218 \hspace{\hvSet@floatCapSep pt}%
12219 \ifhv@fbox
12220 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12221 \else
12222 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12223 \fi
12224 \else
12225 \ifhv@fbox
12226 \fbox{\usebox{\hvObjectBox}}%
12227 \else
12228 \usebox{\hvObjectBox}%
12229 \fi
12230 \hspace{\hvSet@floatCapSep pt}%
12231 \ifhv@fbox
12232 \fbox{\usebox{\hvCaptionBox}}%
12233 \else
12234 \usebox{\hvCaptionBox}%
12235 \fi%
12236 \fi%
12237 \fi
12238 \fi% end of RTL
12239 \fi
12240 \fi
12241 \fi
12242 }% End savebox Object and caption
12243 %
12244 % now we rotate the object and caption, if needed
12245 %

```



```

12246 \ifx\hvSet@rotAngle\hv@Zero
12247 \usebox{\@tempboxa}
12248 \else
12249 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12250 \fi
12251 \ifhv@nonFloat
12252 \ifx\hvSet@objectPos\hv@Center
12253 \ifhv@nonFloat
12254 \hspace{\filll}
12255 \fi
12256 \fi
12257 \endgroup% End the nonfloat part
12258 \else
12259 \end{\hv@floatType}% End the floating environment
12260 \fi
12261 }

```

## 70 File hyperref-xetex-bidi.def

```

12262 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
12263 \AtBeginDocument{%
12264 \def\contentsline#1#2#3#4{%
12265 \ifx\#4\%
12266 \csname l@#1\endcsname{#2}{#3}%
12267 \else
12268 \ifcase\Hy@linktoc % none
12269 \csname l@#1\endcsname{#2}{#3}%
12270 \or % section
12271 \csname l@#1\endcsname{%
12272 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12273 }{#3}%
12274 \or % page
12275 \csname l@#1\endcsname{{#2}}{%
12276 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12277 }%
12278 \else % all
12279 \csname l@#1\endcsname{%
12280 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12281 }{%
12282 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12283 }%
12284 \fi
12285 \fi
12286 }
12287 \ifHy@hyperfootnotes
12288 \let\H@@footnotetext\@footnotetext
12289 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12290 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12291 \def\@xfootnotenext[#1]{%
12292 \begingroup

```



```

12293     \csname c@\@mpfn\endcsname #1\relax
12294     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12295 \endgroup
12296 \ifx\@footnotetext\@mpfootnotetext
12297     \expandafter\H@\@mpfootnotetext
12298 \else
12299     \expandafter\H@\@footnotetext
12300 \fi
12301 }%
12302 \def\@xRTLfootnotenext[#1]{%
12303 \begingroup
12304     \csname c@\@mpfn\endcsname #1\relax
12305     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12306 \endgroup
12307 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12308     \expandafter\HRTL@\@mpRTLfootnotetext
12309 \else
12310     \expandafter\HRTL@\@RTLfootnotetext
12311 \fi
12312 }%
12313 \def\@xLTRfootnotenext[#1]{%
12314 \begingroup
12315     \csname c@\@mpfn\endcsname #1\relax
12316     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12317 \endgroup
12318 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12319     \expandafter\HLTR@\@mpLTRfootnotetext
12320 \else
12321     \expandafter\HLTR@\@LTRfootnotetext
12322 \fi
12323 }%
12324 \def\@xfootnotemark[#1]{%
12325 \begingroup
12326     \c@footnote #1\relax
12327     \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12328 \endgroup
12329     \H@\@footnotemark
12330 }%
12331 \let\H@\@mpfootnotetext\@mpfootnotetext
12332 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
12333 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
12334 \long\def\@mpfootnotetext#1{%
12335     \H@\@mpfootnotetext{%
12336         \ifHy@nesting
12337             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12338         \else
12339             \Hy@raisedlink{%
12340                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12341             }#1%
12342         \fi

```



```

12343 }%
12344 }%
12345 \long\def\@mpRTLfootnotetext#1{%
12346 \HRTL@mpRTLfootnotetext{%
12347 \ifHy@nesting
12348 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12349 \else
12350 \Hy@raisedlink{%
12351 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12352 }#1%
12353 \fi
12354 }%
12355 }%
12356 \long\def\@mpLTRfootnotetext#1{%
12357 \HLTR@mpLTRfootnotetext{%
12358 \ifHy@nesting
12359 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12360 \else
12361 \Hy@raisedlink{%
12362 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12363 }#1%
12364 \fi
12365 }%
12366 }%
12367 \long\def\@footnotetext#1{%
12368 \H@@footnotetext{%
12369 \ifHy@nesting
12370 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12371 \else
12372 \Hy@raisedlink{%
12373 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12374 }%
12375 \let\@currentHlabel\Hy@footnote@currentHlabel
12376 \let\@currentHref\Hy@footnote@currentHref
12377 \let\@currentlabelname\@empty
12378 #1%
12379 \fi
12380 }%
12381 }%
12382 \long\def\@RTLfootnotetext#1{%
12383 \HRTL@RTLfootnotetext{%
12384 \ifHy@nesting
12385 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12386 \else
12387 \Hy@raisedlink{%
12388 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12389 }%
12390 \let\@currentHlabel\Hy@footnote@currentHlabel
12391 \let\@currentHref\Hy@footnote@currentHref
12392 \let\@currentlabelname\@empty

```





```

12393         #1%
12394     \fi
12395 }%
12396 }%
12397 \long\def\@LTRfootnotetext#1{%
12398 \HLTR@@LTRfootnotetext{%
12399 \ifHy@nesting
12400 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12401 \else
12402 \Hy@raisedlink{%
12403 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12404 }%
12405 \let\@currentHlabel\Hy@footnote@currentHlabel
12406 \let\@currentHref\Hy@footnote@currentHref
12407 \let\@currentlabelname\@empty
12408 #1%
12409 \fi
12410 }%
12411 }%
12412 \@ifpackageloaded{tabularx}{%
12413 \let\HyOrg@TX@endtabularx\TX@endtabularx
12414 \def\Hy@tabularx@hook{%
12415 \let\@footnotetext\H@@footnotetext
12416 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12417 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12418 \let\@footnotemark\H@@footnotemark
12419 \let\@mpfootnotetext\H@@mpfootnotetext
12420 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12421 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12422 }%
12423 \begingroup
12424 \toks@\expandafter{\TX@endtabularx}%
12425 \xdef\Hy@gtemp{%
12426 \noexpand\Hy@tabularx@hook
12427 \the\toks@
12428 }%
12429 \endgroup
12430 \let\TX@endtabularx\Hy@gtemp
12431 }{}%
12432 \@ifpackageloaded{longtable}{%
12433 \CheckCommand*{\LT@p@LTRftntext}[1]{%
12434 \edef\@tempa{%
12435 \the\LT@p@ftn
12436 \noexpand\LTRfootnotetext[\the\c@footnote]%
12437 }%
12438 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12439 }%
12440 \long\def\LT@p@LTRftntext#1{%
12441 \edef\@tempa{%
12442 \the\LT@p@ftn

```



```

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

```



```

12493     }%
12494 }%
12495 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12496   \HRTL@@RTLfootnotetext{%
12497     \ifHy@nesting
12498       \hyper@@anchor{#1}{#2}%
12499     \else
12500       \Hy@raisedlink{%
12501         \hyper@@anchor{#1}{\relax}%
12502       }%
12503       \def\@currentHref{#1}%
12504       \let\@currentlabelname\@empty
12505       #2%
12506     \fi
12507   }%
12508 }%
12509 }{}%
12510 \@ifpackageloaded{bidipoem}{%
12511   \long\def\bidipoem@p@ftntext#1{%
12512     \edef\@tempx{%
12513       \the\bidipoem@p@ftn
12514       \begingroup
12515         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12516         \noexpand\protected@xdef\noexpand\@thefnmark{%
12517           \noexpand\thempfn
12518         }%
12519         \noexpand\Hy@bidipoem@footnotetext{%
12520           \Hy@footnote@currentHref
12521         }%
12522       }%
12523       \global\bidipoem@p@ftn\expandafter{%
12524         \@tempx{#1}%
12525       \endgroup
12526     }%
12527   }%
12528   \long\def\Hy@bidipoem@footnotetext#1#2{%
12529     \H@@footnotetext{%
12530       \ifHy@nesting
12531         \hyper@@anchor{#1}{#2}%
12532       \else
12533         \Hy@raisedlink{%
12534           \hyper@@anchor{#1}{\relax}%
12535         }%
12536         \def\@currentHref{#1}%
12537         \let\@currentlabelname\@empty
12538         #2%
12539       \fi
12540     }%
12541   }%
12542   \long\def\bidipoem@p@LTRftntext#1{%

```



```

12543 \edef\@tempxi{%
12544 \the\bidipoem@p@ftn
12545 \begingroup
12546 \noexpand\csname c@\mpfn\endcsname=\the\csname c@\mpfn\endcsname\relax
12547 \noexpand\protected@xdef\noexpand\@thefnmark{%
12548 \noexpand\thempfn
12549 }%
12550 \noexpand\Hy@bidipoem@LTRfootnotetext{%
12551 \Hy@footnote@currentHref
12552 }%
12553 }%
12554 \global\bidipoem@p@ftn\expandafter{%
12555 \@tempxi{#1}%
12556 \endgroup
12557 }%
12558 }%
12559 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12560 \HLTR@@LTRfootnotetext{%
12561 \ifHy@nesting
12562 \hyper@@anchor{#1}{#2}%
12563 \else
12564 \Hy@raisedlink{%
12565 \hyper@@anchor{#1}{\relax}%
12566 }%
12567 \def\@currentHref{#1}%
12568 \let\@currentlabelname\@empty
12569 #2%
12570 \fi
12571 }%
12572 }%
12573 \long\def\bidipoem@p@RTLftntext#1{%
12574 \edef\@tempxii{%
12575 \the\bidipoem@p@ftn
12576 \begingroup
12577 \noexpand\csname c@\mpfn\endcsname=\the\csname c@\mpfn\endcsname\relax
12578 \noexpand\protected@xdef\noexpand\@thefnmark{%
12579 \noexpand\thempfn
12580 }%
12581 \noexpand\Hy@bidipoem@RTLfootnotetext{%
12582 \Hy@footnote@currentHref
12583 }%
12584 }%
12585 \global\bidipoem@p@ftn\expandafter{%
12586 \@tempxii{#1}%
12587 \endgroup
12588 }%
12589 }%
12590 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12591 \HRTL@@RTLfootnotetext{%
12592 \ifHy@nesting

```



```

12593         \hyper@@anchor{#1}{#2}%
12594     \else
12595         \Hy@raisedlink{%
12596             \hyper@@anchor{#1}{\relax}%
12597         }%
12598     \def\@currentHref{#1}%
12599     \let\@currentlabelname\@empty
12600     #2%
12601     \fi
12602 }%
12603 }%
12604 }{}%
12605 \let\HyOrg@maketitle\maketitle
12606 \def\maketitle{%
12607     \let\Hy@saved@footnotemark\@footnotemark
12608     \let\Hy@saved@footnotetext\@footnotetext
12609     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12610     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12611     \let\@footnotemark\H@@footnotemark
12612     \let\@footnotetext\H@@footnotetext
12613     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12614     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12615     \@ifnextchar[\Hy@maketitle@optarg{% ]
12616         \HyOrg@maketitle
12617         \Hy@maketitle@end
12618     }%
12619 }%
12620 \def\Hy@maketitle@optarg[#1]{%
12621     \HyOrg@maketitle[#{#1}]%
12622     \Hy@maketitle@end
12623 }%
12624 \def\Hy@maketitle@end{%
12625     \ifx\@footnotemark\H@@footnotemark
12626         \let\@footnotemark\Hy@saved@footnotemark
12627     \fi
12628     \ifx\@footnotetext\H@@footnotetext
12629         \let\@footnotetext\Hy@saved@footnotetext
12630     \fi
12631     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12632         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12633     \fi
12634     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12635         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12636     \fi
12637 }%
12638 \def\realfootnote{%
12639     \@ifnextchar[\@xfootnote{%
12640         \stepcounter{\@mpfn}%
12641         \protected@xdef\@thefnmark{\thempfn}%
12642         \H@@footnotemark\H@@footnotetext

```



```

12643 }%
12644 }%
12645 \fi
12646 \def\Hy@BeginAnnot#1{%
12647 \ifmmode\else\beginL\fi%
12648 \global\advance\c@Hy@AnnotLevel\@ne
12649 \ifnum\c@Hy@AnnotLevel=\@ne
12650 #1%
12651 \fi
12652 }
12653 \def\Hy@endAnnot{%
12654 \ifnum\c@Hy@AnnotLevel=\@ne
12655 \Hy@endcolorlink
12656 \@pdfm@mark{eann}%
12657 \fi
12658 \global\advance\c@Hy@AnnotLevel\m@ne
12659 \ifmmode\else\endL\fi%
12660 }
12661 \def\hyper@link#1#2#3{%
12662 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
12663 }
12664 \def\hyper@linkfile#1#2#3{%
12665 \leavevmode
12666 \Hy@BeginAnnot{%
12667 \def\Hy@pstringF{#2}%
12668 \Hy@CleanupFile\Hy@pstringF
12669 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12670 \Hy@pstringdef\Hy@pstringD{#3}%
12671 \Hy@MakeRemoteAction
12672 \@pdfm@mark{%
12673 bann<<%
12674 /Type/Annot%
12675 /Subtype/Link%
12676 \ifHy@pdfa /F 4\fi
12677 \Hy@setpdfborder
12678 \ifx\@filebordercolor\relax
12679 \else
12680 /C[\@filebordercolor]%
12681 \fi
12682 /A<<%
12683 /S/GoToR%
12684 /F(\Hy@pstringF)%
12685 /D%
12686 \ifx\\#3\\%
12687 [\Hy@href@page\@pdfremotestartview]%
12688 \else
12689 (\Hy@pstringD)%
12690 \fi
12691 \Hy@SetNewWindow
12692 \Hy@href@nextactionraw

```



```

12693         >>%
12694     >>%
12695     }%
12696     \Hy@colorlink\@filecolor
12697 }%
12698 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12699 \Hy@EndAnnot
12700 }
12701 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12702 \leavevmode
12703 \Hy@BeginAnnot{%
12704     \Hy@pstringdef\Hy@pstringF{#1}%
12705     \Hy@pstringdef\Hy@pstringP{#3}%
12706     \@pdfm@mark{%
12707         bann<<%
12708         /Type/Annot%
12709         /Subtype/Link%
12710         \ifHy@pdfa /F 4\fi
12711         \Hy@setpdfborder
12712         \ifx\@runbordercolor\relax
12713         \else
12714             /C[\@runbordercolor]%
12715         \fi
12716         /A<<%
12717         /F(\Hy@pstringF)%
12718         /S/Launch%
12719         \Hy@SetNewWindow
12720         \ifx\#3\%
12721         \else
12722             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12723         \fi
12724         \Hy@href@nextactionraw
12725         >>%
12726     >>%
12727     }%
12728     \Hy@colorlink\@runcolor
12729 }%
12730 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12731 \Hy@EndAnnot
12732 }
12733 \def\hyper@linkurl#1#2{%
12734 \leavevmode
12735 \Hy@BeginAnnot{%
12736     \Hy@pstringdef\Hy@pstringURI{#2}%
12737     \@pdfm@mark{%
12738         bann<<%
12739         /Type/Annot%
12740         /Subtype/Link%
12741         \ifHy@pdfa /F 4\fi
12742         \Hy@setpdfborder

```



```

12743 \ifx\@urlbordercolor\relax
12744 \else
12745 /C[\@urlbordercolor]%
12746 \fi
12747 /A<<%
12748 /S/URI%
12749 /URI(\Hy@pstringURI)%
12750 \ifHy@href@ismap
12751 /IsMap true%
12752 \fi
12753 \Hy@href@nextactionraw
12754 >>%
12755 >>%
12756 }%
12757 \Hy@colorlink\@urlcolor
12758 }%
12759 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12760 \Hy@EndAnnot
12761 }
12762 \def\Acrobatmenu#1#2{%
12763 \Hy@Acrobatmenu{#1}{#2}{%
12764 \Hy@BeginAnnot{%
12765 \EdefEscapeName\Hy@temp@menu{#1}%
12766 \@pdfm@mark{%
12767 bann<<%
12768 /Type/Annot%
12769 /Subtype/Link%
12770 \ifHy@pdfa /F 4\fi
12771 \Hy@setpdfborder
12772 \ifx\@menubordercolor\relax
12773 \else
12774 /C[\@menubordercolor]%
12775 \fi
12776 /A<<%
12777 /S/Named%
12778 /N/\Hy@temp@menu
12779 \Hy@href@nextactionraw
12780 >>%
12781 >>%
12782 }%
12783 \Hy@colorlink\@menucolor
12784 }%
12785 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12786 \Hy@EndAnnot
12787 }%
12788 }
12789 \def\hyper@natlinkstart#1{%
12790 \Hy@backout{#1}%
12791 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12792 \def\hyper@nat@current{#1}%

```





```

12793 }
12794 \def\hyper@natlinkend{%
12795   \if@RTL\endR\fi\hyper@linkend
12796 }
12797 \def\hyper@natlinkbreak#1#2{%
12798   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12799 }%
12800 }
12801 \pdfstringdefDisableCommands{%
12802   \let\LRE\@firstofone
12803   \let\LR\@firstofone
12804   \let\RLE\@firstofone
12805   \let\RL\@firstofone
12806   \def\XeTeX{Xe\TeX}%
12807   \def\XeLaTeX{Xe\LaTeX}%
12808 }
12809 \ifpackageloaded{longtable}{%
12810   \begingroup
12811     \def\y{\LT@array}%
12812     \ifundefined{scr@LT@array}{%
12813       \ifundefined{adl@LT@array}{%
12814         \def\y{\adl@LT@array}}%
12815       }{\def\y{\scr@LT@array}}%
12816     }%
12817     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12818       \expandafter\endgroup
12819       \expandafter\def\y[##1]##2{%
12820         \H@refstepcounter{#1}%
12821         \hyper@makecurrent{table}%
12822         \let\Hy@LT@currentHref\@currentHref
12823         #2\@sharp###4%
12824       }%
12825     }%
12826     \expandafter\expandafter\expandafter\x\y[##1][##2]\@nil
12827   \begingroup
12828     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12829       \endgroup
12830       \def\LT@start{%
12831         #1%
12832         \ifvoid\LT@foot#2\fi
12833         \let\@currentHref\Hy@LT@currentHref
12834         \Hy@raisedlink{%
12835           \hyper@anchorstart{\@currentHref}\hyper@anchorend
12836         }%
12837         #3%
12838       }%
12839     }%
12840     \expandafter\x\LT@start\@nil
12841   }%
12842 }%

```



```

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

```



```

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

```

## 71 File imspdoc-xetex-bidi.def

```

12906 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for ]
12907 \newenvironment{thebibliography}[1]{%
12908 \@bibtitlestyle
12909 \normalfont\bibliofont\labelsep .5em\relax
12910 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12911 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12912 \bidi@@thebibliography@font@hook
12913 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12914 \leftmargin\labelwidth \advance\leftmargin\labelsep
12915 \usecounter{enumiv}}%
12916 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12917 \sfcode\`.\@m
12918 }{%
12919 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12920 \endlist
12921 }
12922
12923 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12924 \columnseprule\z@ \columnsep 35\p@
12925 \@indextitlestyle
12926 \thispagestyle{plain}%
12927 \let\item\@idxitem
12928 \parindent\z@ \parskip\z@\@plus.3\p@\relax
12929 \if@RTL\raggedleft\else\raggedright\fi
12930 \hyphenpenalty\@M
12931 \footnotesize}
12932 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12933 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12934 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12935
12936 \def\right@footnoterule{%
12937 \kern-.4\p@
12938 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12939 \kern11\p@\kern-\footnotesep}

```



```

12940 \def\left@footnoterule{\kern-.4\p@
12941 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12942 \def\@makefnmark{%
12943 \leavevmode
12944 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12945 }
12946
12947 \def\part{\@startsection{part}{0}%
12948 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
12949 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12950 \def\@tocline#1#2#3#4#5#6#7{\relax
12951 \ifnum #1>\c@tocdepth % then omit
12952 \else
12953 \par \addpenalty\@secpenalty\addvspace{#2}%
12954 \begingroup \hyphenpenalty\@M
12955 \ifempty{#4}{%
12956 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12957 }{%
12958 \@tempdima#4\relax
12959 }%
12960 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi#4\relax
12961 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12962 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12963 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12964 \nobreak
12965 \endgroup
12966 \fi}
12967 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12968 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12969 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12970 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12971 \def\maketitle{\par
12972 \@topnum\z@ % this prevents figures from falling at the top of page 1
12973 \@setcopyright
12974 \thispagestyle{firstpage}% this sets first page specifications
12975 \uppercase\nonmath\shorttitle
12976 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12977 \else \andify\shortauthors
12978 \fi
12979 \@maketitle@hook
12980 \begingroup
12981 \@maketitle
12982 \toks0\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
12983 \toks4{\def\\{\ignorespaces}}% defend against questionable usage
12984 \edef\@tempa{%
12985 \nx\markboth{\the\toks4
12986 \nx\MakeUppercase{\the\toks0}}{\the\@temptokena}}%
12987 \@tempa
12988 \endgroup
12989 \c@footnote\z@

```



```

12990 \@cleartopmattertags
12991 }

```

## 72 File legno-xetex-bidi.def

```

12992 \ProvidesFile{legno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for legno tag for XeTeX e
12993 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12994 \rlap{\hskip -\displaywidth
12995 {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

```

## 73 File letter-xetex-bidi.def

```

12996 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12997 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
12998 \thispagestyle{firstpage}%
12999 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
13000 \else % home address
13001 \thispagestyle{empty}%
13002 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
13003 \fromaddress \*[2\parskip]%
13004 \@date \end{tabular}\par}%
13005 \fi
13006 \vspace{2\parskip}%
13007 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
13008 \vspace{2\parskip}%
13009 #1\par\nobreak}
13010 \renewcommand\left@footnoterule{%
13011 \kern-\p@
13012 \hrule \@width .4\columnwidth
13013 \kern .6\p@}
13014 \renewcommand\right@footnoterule{%
13015 \kern-\p@
13016 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13017 \kern .6\p@}

```

## 74 File lettrine-xetex-bidi.def

```

13018 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package
13019 \def\@lettrine[#1]#2#3{%
13020 \def\l@initial{#2}\let\l@refstring\l@initial
13021 \setcounter{L@lines}{\value{DefaultLines}}%
13022 \setcounter{L@depth}{\value{DefaultDepth}}%
13023 \renewcommand*\L@hang{\DefaultLhang}%
13024 \renewcommand*\L@oversize{\DefaultLoversize}%
13025 \renewcommand*\L@raise{\DefaultLraise}%
13026 \renewcommand*\L@ante{}%
13027 \setlength{\L@Findent}{\DefaultFindent}%
13028 \setlength{\L@Nindent}{\DefaultNindent}%
13029 \setlength{\L@slope}{\DefaultSlope}%
13030 \setlength{\L@novskip}{\DiscardVskip}%

```



```

13031 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
13032 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
13033 \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
13034 \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
13035 \setkeys{L}{#1}%
13036 \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
13037 \ifL@realh
13038   \def\@tempa{#3}%
13039   \ifx\@tempa\@empty
13040     \PackageWarning{lettrine.sty}%
13041       {Empty second argument,\MessageBreak
13042         ignoring option `realheight';}%
13043   \else
13044     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13045   \fi
13046 \fi
13047 \if\DefaultOptionsFile\relax
13048 \else
13049   \begingroup
13050   \InputIfFileExists{\DefaultOptionsFile}%
13051     {}%
13052     {\PackageWarning{lettrine.sty}%
13053       {File \DefaultOptionsFile\space not found}%
13054     }%
13055   \def\color##1##{\l@color{##1}}%
13056   \let\l@color\@gobbletwo
13057   \def\textcolor##1##{\l@textcolor{##1}}%
13058   \def\l@textcolor##1##2##3{##3}%
13059   \expandafter\ifx\csname l@#2-keys\endcsname\relax
13060     \gdef\l@LOKeys{}%
13061   \else
13062     \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
13063   \fi
13064 \endgroup
13065 \def\KV@prefix{KV@L@}%
13066 \let\@tempc\relax
13067 \expandafter\KV@do\l@LOKeys,\relax,
13068 \setupL@lbox
13069 \setlength{\LettrineWidth}{\wd\L@lbox}%
13070 \def\KV@prefix{KV@L@}%
13071 \let\@tempc\relax
13072 \expandafter\KV@do\l@LOKeys,\relax,
13073 \setkeys{L}{#1}%
13074 \fi
13075 \setupL@lbox
13076 \setlength{\LettrineWidth}{\wd\L@lbox}%
13077 \setlength{\LettrineHeight}{\ht\L@lbox}%
13078 \setlength{\LettrineDepth}{\dp\L@lbox}%
13079 \begingroup
13080 \def\IeC##1{##1}%

```



```

13081 \@tempdima=\L@oversize pt\relax
13082 \PackageInfo{lettrine.sty}%
13083   {Targeted height = \the\L@target@ttht\MessageBreak
13084     (no accent, loversize=0),\MessageBreak
13085     Lettrine height = \the\LettrineHeight\space (#2)%
13086     \ifdim\@tempdima=\z@\else\space loversize=\L@oversize\fi;%
13087     \MessageBreak reported}%
13088 \endgroup
13089 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13090 \setlength{\L@first}{\LettrineHeight}%
13091 \setlength{\L@lraise}{\L@raise\L@target@ttht}%
13092 \addtolength{\L@first}{\L@lraise}%
13093 \ifnum\value{L@lines}=1
13094   \addtolength{\L@first}{-\ht\L@tbox}%
13095 \else
13096   \addtolength{\L@first}{-\L@target@ttht}%
13097   \addtolength{\L@lraise}{-\L@target@dp}%
13098 \fi
13099 \par
13100 \ifdim\L@first>\L@novskip
13101   \ifL@grid
13102     \@tempdima=\baselineskip
13103     \@tempdimb=\@tempdima
13104     \advance\@tempdimb by \L@novskip
13105     \@tempcnta=1
13106     \loop\ifdim\L@first>\@tempdimb
13107       \advance\@tempcnta by 1
13108       \advance\L@first by -\@tempdima
13109     \repeat
13110     \L@first=\@tempcnta\baselineskip
13111   \fi
13112   \vskip\L@first
13113 \fi
13114 \setlength{\L@Pindent}{\wd\L@lbox}%
13115 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
13116 \settowidth{\L@first}{\L@ante}%
13117 \addtolength{\L@Pindent}{\L@first}%
13118 \addtolength{\L@Pindent}{\L@Findent}%
13119 \setlength{\L@first}{\linewidth}%
13120 \addtolength{\L@first}{-\L@Pindent}%
13121 \addtolength{\L@Nindent}{\L@Pindent}%
13122 \setlength{\L@next}{\linewidth}%
13123 \addtolength{\L@next}{-\L@Nindent}%
13124 \addtolength{\L@Pindent}{\@totalleftmargin}%
13125 \addtolength{\L@Nindent}{\@totalleftmargin}%
13126 \addtocounter{L@lines}{1}%
13127 \addtocounter{L@lines}{\value{L@depth}}%
13128 \if@RTL
13129   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13130 \else

```



```

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

```

## 75 File lineno-xetex-bidi.def

```

13155 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for ]
13156 \bidi@patchcmd{\MakeLineNo}{%
13157   \hb@xt@\z@\makeLineNumber}%
13158 }{%
13159   \hboxL to \z@\makeLineNumber}%
13160 }{}{}
13161
13162 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
13163   \if@RTL
13164     \hb@xt@\linewidthwidth{\LineNumber\hss}%
13165   \else
13166     \LineNumber
13167   \fi
13168 }{}{}
13169
13170 \bidi@patchcmd{\makeLineNumberRight}{%
13171   \hb@xt@\linewidthwidth{\hss\LineNumber}%
13172 }{%
13173   \if@RTL
13174     \LineNumber
13175   \else
13176     \hb@xt@\linewidthwidth{\hss\LineNumber}%
13177   \fi

```





```

13178 }{}{}
13179
13180 \bidi@AfterPreamble{%
13181   \if@RTLmain
13182     \rightlinenumbers*
13183   \else
13184     \leftlinenumbers*
13185   \fi
13186   \@ifpackagewith{lineno}{left}{}%
13187     \leftlinenumbers*
13188 }{}
13189 \@ifpackagewith{lineno}{right}{}%
13190   \rightlinenumbers*
13191 }{}
13192 }
13193

```

## 76 File listings-xetex-bidi.def

```

13194 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
13195 \lst@Key{captiondirection}{texdirection}{%
13196   \lstKV@SwitchCases{#1}%
13197   {texdirection:\\%
13198     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
13199     LTR:\chardef\bidi@lst@caption@direction\z@%
13200   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13201
13202 \lst@Key{captionscript}{textscript}{%
13203   \lstKV@SwitchCases{#1}%
13204   {textscript:\\%
13205     latin:\chardef\bidi@lst@caption@script\@ne\\%
13206     nonlatin:\chardef\bidi@lst@caption@script\z@%
13207   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13208
13209 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
13210   \@ifundefined{bidi@lst@caption@direction}{}{%
13211     \ifnum\bidi@lst@caption@direction=\z@%
13212       #1%
13213     \else%
13214       \ifnum\bidi@lst@caption@direction=\@ne%
13215         #2%
13216       \fi%
13217     \fi%
13218   }}
13219
13220 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
13221   \@ifundefined{bidi@lst@caption@script}{}{%
13222     \ifnum\bidi@lst@caption@script=\z@%
13223       #1%
13224     \else%

```



```

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

```



```

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

```

## 77 File loadingorder-xetex-bidi.def

```

13298 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13299 \bidi@isloaded{amsmath}
13300 \bidi@isloaded{amstext}
13301 \bidi@isloaded{amsthm}
13302 \bidi@isloaded{animate}
13303 \bidi@isloaded{breqn}
13304 \bidi@isloaded{cals}
13305 \bidi@isloaded{caption}
13306 \bidi@isloaded{crop}
13307 \bidi@isloaded{cuted}
13308 \bidi@isloaded{cutwin}
13309 \bidi@isloaded{color}
13310 \bidi@isloaded{dblfnote}
13311 \bidi@isloaded{diagbox}
13312 \bidi@isloaded{xcolor}
13313 \bidi@isloaded{colortbl}
13314 \bidi@isloaded{float}
13315 \bidi@isloaded{floatrow}
13316 \bidi@isloaded{flowfram}
13317 \bidi@isloaded{framed}
13318 \bidi@isloaded{ftnright}
13319 \bidi@isloaded{xltextra}
13320 \bidi@isloaded{xunicode}
13321 \bidi@isloaded{wrapfig}

```



```

13322 \bidi@isloaded{graphicx}
13323 \bidi@isloaded{geometry}
13324 \bidi@isloaded{hvfloat}
13325 \bidi@isloaded{mdframed}
13326 \bidi@isloaded{midfloat}
13327 \bidi@isloaded{ntheorem}
13328 \bidi@isloaded{ntheorem-hyper}
13329 \bidi@isloaded{hyperref}
13330 \bidi@isloaded{fancybox}
13331 \bidi@isloaded{fancyhdr}
13332 \bidi@isloaded{fix2col}
13333 \bidi@isloaded{draftwatermark}
13334 \bidi@isloaded{empheq}
13335 \bidi@isloaded{overpic}
13336 \bidi@isloaded{pdfpages}
13337 \bidi@isloaded{listings}
13338 \bidi@isloaded{lettrine}
13339 \bidi@isloaded{lineno}
13340 \bidi@isloaded{media9}
13341 \bidi@isloaded{pstricks}
13342 \bidi@isloaded{pgf}
13343 \bidi@isloaded{picinpar}
13344 \bidi@isloaded{quotchap}
13345 \bidi@isloaded{tikz}
13346 \bidi@isloaded{titlesec}
13347 \bidi@isloaded{titletoc}
13348 \bidi@isloaded{array}
13349 \bidi@isloaded{soul}
13350 \bidi@isloaded{stabular}
13351 \bidi@isloaded{subfig}
13352 \bidi@isloaded{subfigure}
13353 \bidi@isloaded{supertabular}
13354 \bidi@isloaded{xtab}
13355 \bidi@isloaded{longtable}
13356 \bidi@isloaded{arydshln}
13357 \bidi@isloaded{multicol}
13358 \bidi@isloaded{multienum}
13359 \bidi@isloaded{minitoc}
13360 \bidi@isloaded{natbib}
13361 \bidi@isloaded{newfloat}
13362 \bidi@isloaded{ragged2e}
13363 \bidi@isloaded{rotating}
13364 \bidi@isloaded{tbls}
13365 \bidi@isloaded{tabulary}
13366 \bidi@isloaded{tocbasic}
13367 \bidi@isloaded{tocstyle}
13368 \bidi@isloaded{tocbibind}
13369 \bidi@isloaded{fontspec}
13370 \bidi@isloaded{arabxetex}
13371 \bidi@isloaded{polyglossia}

```



```

13372 \bidi@isloaded{fancyvrb}
13373 \AtBeginDocument{
13374   \if@bidi@amsmathloaded@else
13375     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13376   \fi%
13377   \if@bidi@amstextloaded@else
13378     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13379   \fi%
13380   \if@bidi@amsthmloaded@else
13381     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
13382   \fi%
13383   \if@bidi@animateloaded@else
13384     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]
13385   \fi%
13386   \if@bidi@breqnloaded@else
13387     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package}{}]
13388   \fi%
13389   \if@bidi@calsloaded@else
13390     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package}{}]
13391   \fi%
13392   \if@bidi@captionloaded@else
13393     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package}{}]
13394   \fi%
13395   \if@bidi@croploaded@else
13396     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package}{}]
13397   \fi%
13398   \if@bidi@colorloaded@else
13399     \ifpackageloaded{hyperref}{-}{%
13400       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package}{}]
13401     }
13402   \if@bidi@cutwinloaded@else
13403     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package}{}]
13404   \fi%
13405   \if@bidi@cutedloaded@else
13406     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package}{}]
13407   \fi%
13408   \if@bidi@dblfnoteloaded@else
13409     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package}{}]
13410   \fi%
13411   \if@bidi@diagboxloaded@else
13412     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package}{}]
13413   \fi%
13414   \if@bidi@xcolorloaded@else
13415     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package}{}]
13416   \fi%
13417   \if@bidi@colortblloaded@else
13418     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package}{}]
13419   \fi%
13420   \if@bidi@floatloaded@else
13421     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package}{}]

```



```

13422 \fi%
13423 \if@bidi@floatrowloaded@else
13424 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi packa
13425 \fi%
13426 \if@bidi@flowframloaded@else
13427 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi packa
13428 \fi%
13429 \if@bidi@framedloaded@else
13430 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package
13431 \fi%
13432 \if@bidi@ftnrightloaded@else
13433 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13434 \fi%
13435 \if@bidi@xltxtraloaded@else
13436 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packag
13437 \fi%
13438 \if@bidi@xunicodeloaded@else
13439 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13440 \fi%
13441 \if@bidi@wrapfigloaded@else
13442 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packag
13443 \fi%
13444 \if@bidi@graphicxloaded@else
13445 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13446 \fi%
13447 \if@bidi@geometryloaded@else
13448 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13449 \fi%
13450 \if@bidi@hvfloatloaded@else
13451 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packag
13452 \fi%
13453 \if@bidi@mdframedloaded@else
13454 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13455 \fi%
13456 \if@bidi@midfloatloaded@else
13457 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13458 \fi%
13459 \if@bidi@ntheoremloaded@else
13460 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13461 \fi%
13462 \if@bidi@hyperrefloaded@else
13463 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13464 \fi%
13465 \if@bidi@fancyboxloaded@else
13466 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13467 \fi%
13468 \if@bidi@fancyhdrloaded@else
13469 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13470 \fi%
13471 \if@bidi@draftwatermarkloaded@else

```



```

13472 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi
13473 \fi%
13474 \if@bidi@empheqloaded@else
13475 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13476 \fi%
13477 \if@bidi@overpicloaded@else
13478 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packag
13479 \fi%
13480 \if@bidi@pdfpagesloaded@else
13481 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13482 \fi%
13483 \if@bidi@lettrineloaded@else
13484 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13485 \fi%
13486 \if@bidi@linenoloaded@else
13487 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package
13488 \fi%
13489 \if@bidi@listingsloaded@else
13490 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13491 \fi%
13492 \csname if@bidi@media9loaded@endcsname\else
13493 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package
13494 \fi%
13495 \if@bidi@pstricksloaded@else
13496 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13497 \fi%
13498 \if@bidi@pgfloaded@else
13499 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13500 \fi%
13501 \if@bidi@picinparloaded@else
13502 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13503 \fi%
13504 \if@bidi@quotchaploaded@else
13505 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13506 \fi%
13507 \if@bidi@tikzloaded@else
13508 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13509 \fi%
13510 \if@bidi@titlesecloaded@else
13511 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13512 \fi%
13513 \if@bidi@titletocloaded@else
13514 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13515 \fi%
13516 \if@bidi@arrayloaded@else
13517 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package
13518 \fi%
13519 \if@bidi@stabularloaded@else
13520 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa
13521 \fi%

```



```

13522 \if@bidi@soulloaded@else
13523   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13524   \fi%
13525 \if@bidi@subfigloaded@else
13526   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package.
13527   \fi%
13528 \if@bidi@subfigureloaded@else
13529   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13530   \fi%
13531 \if@bidi@supertabularloaded@else
13532   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13533   \fi%
13534 \if@bidi@xtabloaded@else
13535   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13536   \fi%
13537 \if@bidi@longtableloaded@else
13538   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13539   \fi%
13540 \if@bidi@arydshlnloaded@else
13541   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13542   \fi%
13543 \if@bidi@multicolloaded@else
13544   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13545   \fi%
13546 \if@bidi@multienumloaded@else
13547   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13548   \fi%
13549 \if@bidi@minitocloaded@else
13550   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13551   \fi%
13552 \if@bidi@natbibloaded@else
13553   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package.
13554   \fi%
13555   \if@bidi@newfloatloaded@else
13556     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13557     \fi%
13558   \csname if@bidi@ragged2eloaded@endcsname\else
13559     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13560     \fi%
13561     \if@bidi@rotatingloaded@else
13562       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13563       \fi%
13564     \if@bidi@tblsloaded@else
13565       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package.
13566       \fi%
13567     \if@bidi@tabularyloaded@else
13568       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13569       \fi%
13570     \if@bidi@tocbasicloaded@else
13571       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa

```





```

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

```

## 78 File longtable-xetex-bidi.def

```

13592 \ProvidesFile{longtable-xetex-bidi.def}[2019/01/19 v0.5 bidi adaptations for longtable package]
13593 \def\LT@array[#1]#2{%
13594 \refstepcounter{table}\stepcounter{LT@tables}%
13595 \if l#1%
13596 \if RTLtab\LTleft\fill \LTRight\z@\else\LTleft\z@ \LTRight\fill\fi
13597 \else\if r#1%
13598 \if RTLtab\LTleft\z@ \LTRight\fill\else\LTleft\fill \LTRight\z@\fi
13599 \else\if c#1%
13600 \LTleft\fill \LTRight\fill
13601 \fi\fi\fi
13602 \let\LT@mcol\multicolumn
13603 \let\LT@@tabarray\@tabarray
13604 \let\LT@@hl\hline
13605 \def\@tabarray{%
13606 \let\hline\LT@@hl
13607 \LT@@tabarray}%
13608 \let\LT@tabularcr\let\tabularnewline\%
13609 \def\newpage{\noalign{\break}}%
13610 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13611 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}%
13612 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13613 \@tempdima\ht\strutbox
13614 \let\@endpbox\LT@endpbox
13615 \ifx\extrarowheight\undefined
13616 \let\@acol\@tabacol
13617 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13618 \def\@startpbox{\vtop\LT@startpbox}%

```



```

13619 \let\@startpbox\@startpbox
13620 \let\@endpbox\@endpbox
13621 \let\LT@LL@FM@cr\@tabularcr
13622 \else
13623 \advance\@tempdima\extrarowheight
13624 \col@sep\@tabcolsep
13625 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13626 \fi
13627 \setbox\@arstrutbox\hbox{\vrule
13628 \@height \arraystretch \@tempdima
13629 \@depth \arraystretch \dp \strutbox
13630 \@width \z@}%
13631 \let\@sharp##\let\protect\relax
13632 \begingroup
13633 \mkpream{#2}%
13634 \xdef\LT@bchunk{%
13635 \global\advance\c@LT@chunks\@ne
13636 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13637 \LT@setprevdepth
13638 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13639 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13640 \endgroup
13641 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13642 \LT@make@row
13643 \m@th\let\par\@empty
13644 \everycr{}\lineskip\z@\baselineskip\z@
13645 \LT@bchunk}
13646 \def\LT@makecaption#1#2#3{%
13647 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13648 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13649 \ifdim\wd\@tempboxa>\hsize
13650 #1{#2: }#3%
13651 \else
13652 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13653 \fi
13654 \endgraf\vskip\baselineskip}%
13655 \hss}}}
13656 \@ifpackageloaded{caption}{%
13657 \renewcommand\LT@makecaption[3]{%
13658 \caption@LT@make{%
13659 \caption@settype*\LTcaptype
13660 \ifdim\LTcapwidth=4in \else
13661 \setcaptionwidth\LTcapwidth
13662 \fi
13663 \caption@setoptions{longtable}%
13664 \caption@setoptions{@longtable}%
13665 \caption@LT@setup
13666 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13667 \caption@startrue#1\caption@starfalse
13668 \caption@prepare@stepcounter\LTcaptype{LT}%

```



```

13669 \caption@begin\LTcapttype
13670 \caption@normalsize
13671 \vskip-\ht\strutbox
13672 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13673 \caption@@make{#2}{#3}\endgraf
13674 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13675 \caption@end}}%
13676 }{}
13677 \def\LT@startpbox#1{%
13678 \bgroup\color@begingroup
13679 \let\@footnotetext\LT@p@ftntext
13680 \let\@LTrfootnotetext\LT@p@LTrftntext
13681 \let\@RTLfootnotetext\LT@p@RTLftntext
13682 \setlength\hsize{#1}%
13683 \@arrayparboxrestore
13684 \vrule \@height \ht\@arstrutbox \@width \z@}
13685 \def\LT@p@LTrftntext#1{%
13686 \edef\@tempa{\the\LT@p@ftn\noexpand\LTrfootnotetext[\the\c@footnote]]}%
13687 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13688 \def\LT@p@RTLftntext#1{%
13689 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13690 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13691
13692
13693 \def\LT@output{%
13694 \ifnum\outputpenalty <-\@Mi
13695 \ifnum\outputpenalty > -\LT@end@pen
13696 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13697 \else
13698 \setbox\z@\vbox{\unvbox\@cclv}%
13699 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13700 \dimen@ \pagegoal
13701 \advance\dimen@-\ht\LT@lastfoot
13702 \ifdim\dimen@<\ht\z@
13703 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13704 \@makecol
13705 \@outputpage
13706 \setbox\z@\vbox{\box\LT@head}%
13707 \fi
13708 \fi
13709 \global\@colroom\@colht
13710 \global\vsizel\@colht
13711 \vbox
13712 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13713 \fi
13714 \else
13715 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13716 \@makecol
13717 \@outputpage
13718 \global\vsizel\@colroom

```



```

13719 \copy\LT@head\nobreak
13720 \fi}

```

## 79 File mathtools-xetex-bidi.def

```

13721 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13722 \MHInternalSyntaxOn
13723 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13724   \@namedef{MT_tagform_#1:n}##1
13725     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i}
13726 }
13727 \renewtagform{default}{\{()\}}
13728 \MHInternalSyntaxOff

```

## 80 File mdframed-xetex-bidi.def

```

13729 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13730 \newif\if@bidi@mdf@RTL
13731 \def\mdf@lrbox#1{%
13732   \mdf@patchamsthm%patch amsthm
13733   \if@RTL\@bidi@mdf@RTLtrue\fi%
13734   \@RTLfalse%
13735   \setbox#1\vbox\bgroup%
13736   \color@begingroup%
13737   \if@bidi@mdf@RTL\@RTLtrue\fi%
13738   \mdf@horizontalmargin@equation%
13739   \columnwidth=\hsize%
13740   \textwidth=\hsize%
13741   \let\if@nobreak\iffalse%
13742   \let\if@noskipsec\iffalse%
13743   \let\par\@par%
13744   \let\-\@dischyph%
13745   \let'\@acci\let\`@accii\let\=@acciii%
13746   \parindent\z@ \parskip\z@skip%
13747   \linewidth\hsize%
13748   \@totalleftmargin\z@%
13749   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13750   \parfillskip\@flushglue \lineskip\normallineskip%
13751   \baselineskip\normalbaselineskip%
13752 %% \sloppy%
13753   \let\\\@normalcr%
13754   \mdf@par@local%New feature to restore parskip/parindent local in save box
13755   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13756   \@afterindentfalse%
13757   %\@afterheading%
13758 }
13759 \renewrobustcmd\mdfframedtitleenv[1]{%
13760   \mdf@lrbox{\mdf@frametitlebox}%
13761   \mdf@frametitlealignment%
13762   \leavevmode{\color{\mdf@frametitlefontcolor}%

```



```

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

```

## 81 File bidi-media9.sty

```

13804 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13805 {bidi fixes for media9 package for the XeTeX engine}
13806
13807 \keys_define:nn{media9/mbtn}{
13808     draft .code:n = {},
13809     final .code:n = {},

```



```

13810
13811 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13812 tooltip .value_required:n = {true},
13813
13814 overface .code:n = {
13815   \sbox\l_mix_poster_box{
13816     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13817   \mix_pdfxform:n{\l_mix_poster_box}
13818   \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13819 },
13820 overface .value_required:n = {true},
13821
13822 downface .code:n = {
13823   \sbox\l_mix_poster_box{
13824     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13825   \mix_pdfxform:n{\l_mix_poster_box}
13826   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13827 },
13828 downface .value_required:n = {true},
13829
13830 3Dgotoview .code:n = {
13831   \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13832   \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
13833   \tl_trim_spaces:N\l_tmpa_tl
13834   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13835     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13836       \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13837       \regex_replace_once:nnN{([~:~]+):??}{\1}\l_tmpb_tl
13838       \tl_trim_spaces:N\l_tmpb_tl
13839       \tl_if_blank:VF\l_tmpb_tl{
13840         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13841           \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
13842         }{
13843           \regex_match:nVTF{^~d+$}\l_tmpb_tl{
13844             \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13845           }{
13846             \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
13847             \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
13848             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13849           }
13850         }
13851       }
13852       \mix_pdfobj:nnn{}{dict}{
13853         /S/JavaScript/JS~(
13854           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13855           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13856             annotRM['\l_tmpa_tl']=
13857               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13858           }
13859           annotRM['\l_tmpa_tl'].activated=true;

```



```

13860     )
13861     \tl_if_blank:VF\l_tmpb_tl{
13862       /Next~<<
13863       /S/GoTo3DView
13864       /TA~\tl_use:c{ann@\l_tmpa_tl}
13865       /V\l_mix_vidx_tl
13866     >>
13867   }
13868 }
13869 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13870 }
13871 }{
13872   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13873   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13874     \tl_new:N\g_mix_refundefwarned_tl
13875     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13876   }
13877 }
13878 },
13879 3Dgotoview .value_required:n = {true},
13880
13881 mediacommand .code:n = {
13882   \tl_set:Nx\l_tmpa_tl{#1}
13883   \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl %extract ref
13884   \tl_trim_spaces:N\l_tmpa_tl
13885   \tl_if_exist:CTF{ann@\l_tmpa_tl}{
13886     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13887       \tl_set:Nx\l_tmpb_tl{#1}
13888       \regex_replace_once:nnN{([~:~]+~:~)}{\1}\l_tmpb_tl
13889       \tl_trim_spaces:N\l_tmpb_tl
13890       \regex_replace_all:nnN{^~|~$}{~}\l_tmpb_tl
13891       \tl_set:Nx\l_mix_cmd_tl{
13892         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13893       \tl_trim_spaces:N\l_mix_cmd_tl
13894       \tl_set:Nx\l_mix_arg_tl{
13895         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13896       \tl_trim_spaces:N\l_mix_arg_tl
13897       \mix_pdfobj:nnn{}{dict}{
13898         /S/JavaScript/JS~(
13899           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13900           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13901             annotRM['\l_tmpa_tl']=
13902               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13903           }
13904           annotRM['\l_tmpa_tl'].activated=true;
13905         )
13906       \tl_if_blank:VF\l_mix_cmd_tl{
13907         /Next~<<
13908         /S/RichMediaExecute
13909         /TA~\tl_use:c{ann@\l_tmpa_tl}

```



```

13910         /TI~\tl_use:c{main@\l_tmpa_tl}
13911         /CMD~<<
13912         /C~(\l_mix_cmd_tl)
13913         \tl_if_blank:VF\l_mix_arg_tl{
13914             /A~[\l_mix_arg_tl]
13915         }
13916         >>
13917     >>
13918     }
13919 }
13920 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13921 }
13922 }{
13923     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13924     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13925         \tl_new:N\g_mix_refundefwarned_tl
13926         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13927     }
13928 }
13929 },
13930 mediacommand .value_required:n = {true},
13931
13932 jsaction .code:n = {
13933     \tl_set:Nx\l_tmpa_tl{#1}
13934     \regex_match:nVTF{^[^{:}]++.*$}\l_tmpa_tl{
13935         \regex_replace_once:nnN{([~:])+}:??.*}{\1}\l_tmpa_tl %extract ref
13936         \tl_trim_spaces:N\l_tmpa_tl
13937     }{\tl_clear:N\l_tmpa_tl}
13938     \tl_set:Nx\l_tmpb_tl{#1}
13939     \tl_if_blank:VF\l_tmpa_tl{
13940         \tl_if_exist:cF{ann@\l_tmpa_tl}{
13941             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13942             \cs_if_exist:NF\g_mix_refundefwarned_tl{
13943                 \tl_new:N\g_mix_refundefwarned_tl
13944                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13945             }
13946         }
13947         \regex_replace_once:nnN{[~:]+\:}{~}\l_tmpb_tl
13948     }
13949     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13950     \tl_trim_spaces:N\l_tmpb_tl
13951     \tl_if_blank:VF\l_tmpb_tl{
13952         \mix_pdfobj:nnn{}{dict}{
13953             /S/JavaScript/JS~(
13954                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
13955         \bool_lazy_and:nnT{
13956             \tl_if_exist_p:c{ann@\l_tmpa_tl}
13957         }{
13958             !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13959         }{

```





```

13960 \mix_pdfobj:nnn{}{dict}{
13961 /S/JavaScript/JS~(
13962   if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13963   if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13964     annotRM['\l_tmpa_tl']=
13965     this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13966   }
13967   annotRM['\l_tmpa_tl'].activated=true;
13968 )
13969 \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13970 }
13971 }
13972 \bool_if:nT{
13973   \bool_lazy_and_p:nn{
13974     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13975   }{
13976     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13977   }
13978   || !\tl_if_blank_p:V\l_tmpb_tl
13979 }{
13980   \tl_gput_right:Nx\g_mix_btnactions_tl{\mix_pdflastobj:}
13981 }
13982 },
13983 jsaction .value_required:n = {true},
13984
13985 unknown .code:n = {
13986   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13987 }
13988 }
13989
13990 \RenewDocumentCommand\includemedia{0{}}mm}{%#1 options, #2 text/image #3 media file
13991 \mix_uriend:
13992 \group_begin:
13993 \mix_beginLTR:
13994 \leavevmode
13995 %empty stream as appearance dummy
13996 \cs_if_exist:NF\g_mix_appearance_tl{
13997   \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13998   \mix_pdfxform:n{\l_mix_poster_box}
13999   \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
14000 }
14001 \mix_reset:
14002 \mix_urbegin: %treat URI characters correctly
14003 \keys_set:nn{media9/user}{#1}
14004 \mix_uriend:
14005 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
14006 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
14007 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
14008 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
14009 \tl_gtrim_spaces:N\g_mix_flashvars_tl

```



```

14010
14011 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
14012
14013 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
14014 %\hbox_set:Nn\l_mix_poster_box{#2}
14015 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14016 \mix_scale:n{\l_mix_poster_box}
14017 \bool_if:nT{
14018   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
14019   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
14020 }{
14021   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
14022 }
14023 \bool_if:NTF\g_mix_usrdraft_bool{
14024   \tl_if_empty:NF\g_mix_usrlabel_tl{
14025     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
14026   }
14027   \tl_if_blank:oTF{#2}{
14028     \mix_urbegin: %treat URI characters correctly
14029     \mix_draftbox:n{\tl_to_str:n{#3}}
14030     \mix_uriend:
14031   }{
14032     \hbox_to_wd:nn{\g_mix_wd_tl}{
14033       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
14034       \box_use:N\l_mix_poster_box\hss
14035     }
14036   }
14037 }{
14038   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
14039     %attach script that switches off play button overlay upon activation
14040     \mix_pdfobj:nnn{}{stream}{
14041       {}{
14042         var~ocgs=host.getOCGs(host.pageNum);
14043         for(var~i=0;i<ocgs.length;i++){
14044           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14045             ocgs[i].state=false;
14046           }
14047         }
14048       }
14049     }
14050     \mix_pdfobj:nnn{}{dict}{
14051       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
14052     }
14053     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
14054     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
14055     %enforce plain playbutton overlay for XeTeX
14056     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
14057   }
14058   %embed main asset
14059   \mix_urbegin:

```



```

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

```



```

14110 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
14111 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
14112
14113 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14114 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14115 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14116 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14117
14118 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
14119 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14120 \tl_clear:N\l_mix_naarray_tl
14121
14122 \bool_if:NF\l_mix_ciiw_bool{
14123   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14124   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14125 }
14126
14127 \tl_clear:N\l_mix_naarray_tl
14128 \tl_clear:N\l_mix_saarray_tl
14129 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14130
14131 \mix_view:n{Default}
14132 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14133
14134 }
14135 \mix_pdfobj:nnn{}{dict}{
14136   /Type/RichMediaInstance
14137   /Subtype/\g_mix_mainassetsub_tl
14138   /Asset~\g_mix_mainasset_tl
14139   \bool_if:NF\g_mix_iiid_bool{
14140     /Params~<<
14141     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14142       /Foreground
14143     }{
14144       /Background
14145     }
14146     \tl_if_blank:VF\g_mix_flashvars_tl{
14147       /FlashVars~(\g_mix_flashvars_tl)
14148     }
14149     >>
14150   }
14151 }
14152 \tl_if_empty:NF\g_mix_usrlabel_tl{
14153   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14154 }
14155 \mix_pdfobj:nnn{}{dict}{
14156   /Type/RichMediaConfiguration
14157   /Subtype/\g_mix_mainassetsub_tl
14158   /Instances~[\mix_pdflastobj:]
14159 }

```



```

14160 \mix_pdfobj:nnn(){dict}{
14161 /Type/RichMediaContent
14162 /Assets~<</Names~[\g_mix_assets_tl]>>
14163 /Configurations~[\mix_pdflastobj:]
14164 \bool_if:nT{
14165 \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14166 }{
14167 /Views~[\l_mix_iiidviewarray_tl]
14168 }
14169 }
14170 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14171 \bool_if:nT{
14172 \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14173 }{
14174 \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14175 }
14176 %determine floating window size
14177 \bool_if:NT\g_mix_opt_windowed_bool{
14178 \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14179 }
14180 \mix_pdfobj:nnn(){dict}{
14181 /Activation~<<
14182 /Condition\g_mix_act_tl
14183 \bool_if:nT{
14184 \g_mix_iiid_bool &&
14185 !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14186 }{%seems to work only with 3D content
14187 /Animation~<<
14188 /Subtype/\g_mix_playtpe_tl
14189 /PlayCount~\g_mix_playcnt_tl
14190 /Speed~\g_mix_playspd_tl
14191 >>
14192 }
14193 \bool_if:nT{
14194 \g_mix_iiid_bool && (
14195 \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14196 )
14197 }{/View~\l_mix_dfltview_tl}
14198 /Presentation~<<
14199 /Transparent~\g_mix_transp_tl
14200 \bool_if:NTF\g_mix_opt_windowed_bool{
14201 /Style/Windowed
14202 /Window~<<
14203 /Width~<</Default~\tl_mix_fltdw>>
14204 /Height~<</Default~\tl_mix_fltht>>
14205 /Position~<<
14206 /HOffset~0/VOffset~0
14207 \str_case:x:nnF{\g_mix_winpos_tl}{
14208 {tl}{/VAlign/Near/HAlign/Near}
14209 {cl}{/VAlign/Center/HAlign/Near}

```



```

14210         {bl}{/VAlign/Far/HAlign/Near}
14211         {bc}{/VAlign/Far/HAlign/Center}
14212         {br}{/VAlign/Far/HAlign/Far}
14213         {cr}{/VAlign/Center/HAlign/Far}
14214         {tr}{/VAlign/Near/HAlign/Far}
14215         {tc}{/VAlign/Near/HAlign/Center}
14216     }{/HAlign/Center/VAlign/Center}
14217     >>
14218     >>
14219     }{
14220         /Style/Embedded
14221     }
14222     \bool_if:NTF\g_mix_iiid_bool{
14223         /Toolbar~\g_mix_tools_tl
14224         /NavigationPane~\g_mix_nav_tl
14225     }{
14226         /PassContextClick~\g_mix_contextclick_tl
14227     }
14228     >>
14229     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14230     >>
14231     /Deactivation~<</Condition\g_mix_deact_tl>>
14232 }
14233 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14234 \tl_if_empty:NF\g_mix_usrlabel_tl{
14235     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14236 }
14237 % #1:width, #2:height, #3:depth, #4:content (key-value)
14238 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14239     /Subtype/RichMedia
14240     /F~4
14241     /BS~<</W~0/S/S>>
14242     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14243     /NM~(\g_mix_label_tl)
14244     /AP~<</N~\g_mix_appearance_tl>>
14245     /RichMediaSettings~\l_mix_settings_tl
14246     /RichMediaContent~\l_mix_content_tl
14247 }
14248 \tl_if_empty:NF\g_mix_usrlabel_tl{
14249     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14250     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14251         \noexpand\the\g_mix@page@int}
14252 }
14253 \mix_pdfobj:nnn{}{dict}{
14254     /S/JavaScript/JS~(
14255         try{
14256             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14257             if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14258                 annotRM['\g_mix_label_tl']=
14259                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');

```



```

14260     }
14261     \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14262       if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14263         var~ocgs=this.getOCGs(this.pageNum);
14264         for(var~i=0;i<ocgs.length;i++){
14265           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14266             var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14267           }
14268         }
14269       }
14270       if(
14271         !annotRM['\g_mix_label_tl'].activated&&(
14272           app.viewerType=='Reader' ||
14273           app.viewerType=='Exchange' ||
14274           app.viewerType=='Exchange-Pro'
14275         )&&app.viewerVersion>=9
14276       ){
14277         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14278       }
14279     }
14280   }catch(e){}
14281   this.dirty=false;
14282 )
14283 }
14284 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14285   /Subtype/Widget
14286   /FT/Btn/Ff~65537/F~2
14287   /BS~<</W~0>>
14288   /T~(fd@\g_mix_label_tl)
14289   /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14290 }
14291 \mix_appendtofields:n{\mix_pdflastann:}
14292 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14293 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14294   \hbox_to_wd:nn{\g_mix_wd_tl}{
14295     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14296   }
14297 }{%insert play button overlay
14298   \mix_insert_btnocg: %create OCG
14299   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14300   \group_begin:
14301   \cs_if_exist:NT\textdir{\textdir TLT}
14302   \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14303   \box_move_down:nn{\g_mix_dp_tl}{
14304     \hbox_to_wd:nn{\g_mix_wd_tl}{
14305       \vbox_to_ht:nn{\g_mix_tt_tl}{
14306         \vss
14307         \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14308         \box_use:N\l_mix_pbtn_box
14309         \ocgbase_oc_emc:

```



```

14310     }
14311   }
14312 }
14313   \group_end:
14314 }
14315   \int_gincr:N\g_mix_rmcnt_int
14316 }
14317   \mix_endLTR:
14318   \group_end:
14319 }
14320 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14321 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14322
14323 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
14324   \mix_uribegin:
14325   \group_begin:
14326   \mix_beginLTR:
14327   \leavevmode
14328   %reset various variables
14329   \tl_gclear:N\g_mix_overbtn_tl
14330   \tl_gclear:N\g_mix_downbtn_tl
14331   \tl_gclear:N\g_mix_btnactions_tl
14332   \tl_gclear:N\g_mix_tooltip_tl
14333   %process options
14334   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14335   \mix_uribegin: %treat URI characters correctly
14336   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14337   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14338   \mix_uribegin:
14339   %normal button appearance
14340   \%hbox_set:Nn\l_mix_poster_box{#2}
14341   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14342   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14343   \tl_set:Nx\height {\dim_use:N\box_ht:N\l_mix_poster_box}
14344   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14345   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14346     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
14347       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14348     \mix_pdfxform:n{\l_mix_poster_box}
14349     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14350     %insert widget annotation
14351     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14352       /Subtype/Widget
14353       /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14354       \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14355       /FT/Btn/Ff~65536
14356       \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14357       /AP~<<
14358       /N~\g_mix_normalbtn_tl
14359       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}

```





```

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

```

## 82 File memoir-xetex-bidi.def

```

14387 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14388 \renewcommand{\keepthetitle}{%
14389   \@bsmtitleempty
14390   \global\let\thanks\relax
14391   \global\let\LTRthanks\relax
14392   \global\let\RTLthanks\relax
14393   \global\let\and\relax
14394   \global\let\andnext\relax
14395   \global\let\@thanks\@empty
14396   \global\let\@title\@empty
14397   \global\let\@author\@empty
14398   \global\let\@date\@empty}
14399 \renewcommand{\maketitle}{\par
14400 \begingroup
14401   \@bsmarkseries
14402   \def\@makefnmark{\@textsuperscript{%
14403     \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
14404   \long\def\@makefntext##1{\makethanksmark ##1}
14405   \if@twocolumn
14406     \ifnum \col@number=\@ne

```



```

14407         \@maketitle
14408     \else
14409         \twocolumn[\@maketitle]%
14410     \fi
14411 \else
14412     \ifdim\pagetotal>\z@
14413         \newpage
14414     \fi
14415     \global\@topnum\z@
14416     \@maketitle
14417 \fi
14418 \thispagestyle{title}\@thanks
14419 \endgroup
14420 \bscontmark % \setcounter{footnote}{0}%
14421 }
14422 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14423 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14424 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14425 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14426 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14427 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14428 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14429 \renewcommand*{\thesubsection}{%
14430     \thesection\@SepMark\@arabic\c@subsection}
14431 \renewcommand*{\thesubsubsection}{%
14432     \thesubsection\@SepMark\@arabic\c@subsubsection}
14433 \renewcommand*{\theparagraph}{%
14434     \thesubsubsection\@SepMark\@arabic\c@paragraph}
14435 \renewcommand*{\thesubparagraph}{%
14436     \theparagraph\@SepMark\@arabic\c@subparagraph}
14437 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14438 \renewcommand{\theequation}{%
14439     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14440 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14441 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14442 \ifartopt
14443     \chapterstyle{article}
14444     \counterwithout{figure}{chapter}
14445     \counterwithout{table}{chapter}
14446     \counterwithout{footnote}{chapter}
14447     \counterwithout{equation}{chapter}
14448     \renewcommand{\chaptername}{\}
14449     \renewcommand{\maketitlehookb}{%
14450         \vskip -1.5\topsep\vskip -1.5\partopsep}
14451     \renewcommand{\maketitlehookc}{%
14452         \vskip -1.5\topsep\vskip -1.5\partopsep}
14453 \fi
14454 \long\def\@makecaption#1#2{\let\@memtempa\relax
14455     \ifdim\prevdepth>-99\p@ \vskip\abovcaptionskip
14456     \else \def\@memtempa{\vbox to\topskip{}}\fi

```



```

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

```



```

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

```

### 83 File midfloat-xetex-bidi.def

```

14544 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14545 \def\RTL@outputdblcol{%
14546 \if@firstcolumn
14547 \global \@firstcolumnfalse
14548 \global\setbox\@leftcolumn\copy\@outputbox
14549 \splitmaxdepth\maxdimen
14550 \vbadness\maxdimen
14551 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14552 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14553 \toks@\expandafter{\topmark}%

```



```

14554 \xdef\@firstcoltopmark{\the\toks@}%
14555 \toks@\expandafter{\splitfirstmark}%
14556 \xdef\@firstcolfirstmark{\the\toks@}%
14557 \ifx\@firstcolfirstmark\@empty
14558   \global\let\@setmarks\relax
14559 \else
14560   \gdef\@setmarks{%
14561     \let\firstmark\@firstcolfirstmark
14562     \let\topmark\@firstcoltopmark}%
14563 \fi
14564 \global\c@colht\@colht\global\c@advipersep\z@
14565 \ifnum\jua@sk>0
14566   \remove@strip\jua@sar
14567   \global\@colht\the\jua@pr
14568   \ifdim\right@cor>\z@
14569     \global\advance\@colht by\right@cor
14570   \fi
14571   \global\advance\@colht by\cor@height
14572   \global\cor@height=0pt
14573 \fi
14574 \global \setbox\@rightcolumn \vbox{%
14575 \else
14576   \ifdim\c@colht>\@colht
14577     \@tempdima\@colht
14578     \ifdim\@colht>\z@
14579       \global\setbox\@rightcolumn \vbox{%
14580         \unvbox\@rightcolumn
14581         \vbox to\@tempdima{%
14582           \vskip\c@advipersep\unvbox\@outputbox}%
14583         \vskip\stripsep
14584         \vrule height\the\jua@ht width 0pt depth 0pt
14585         \vskip\stripsep
14586       }%
14587       \global\c@advipersep\m@advipersep
14588     \else
14589       \global\setbox\@rightcolumn \vbox{%
14590         \unvbox\@rightcolumn
14591         \vrule height\the\jua@ht width 0pt depth 0pt
14592         \vskip\stripsep
14593       }%
14594   \fi
14595   \ifnum\jua@sk>0
14596     \remove@strip\jua@sar
14597     \global\@colht\the\jua@pr
14598     \global\advance\@colht by -\ht\@rightcolumn
14599     \global\advance\@colht by\cor@height
14600     \global\cor@height=0pt
14601   \else
14602     \global\advance\c@colht by-\ht\@rightcolumn
14603     \global\@colht\c@colht

```



```

14604         \fi
14605     \else
14606     \global\@firstcolumntrue
14607     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14608         \unvbox\@rightcolumn
14609         \vskip\c@addvipersep
14610         \unvbox\@outputbox
14611     }%
14612     \setbox\@outputbox \vbox {%
14613         \hb@xt@\textwidth {%
14614             \hskip \columnwidth
14615             \hfil
14616             \vrule \@width\columnseprule
14617             \hfil
14618             \hb@xt@\columnwidth {%
14619                 \bidi@firstcolumn@status@write%
14620                 \box\@leftcolumn \hss}%
14621             \hskip-\textwidth
14622             \hb@xt@\columnwidth {%
14623                 \bidi@lastcolumn@status@write%
14624                 \box\@outputbox \hss}%
14625             \hskip\columnwidth
14626             \hskip\columnsep}%
14627         }%
14628     \@combinedblfloats
14629     \@setmarks
14630     \@outputpage
14631     \begingroup
14632         \@dblfloatplacement
14633         \@startdblcolumn
14634         \@whilesw\if@fcolmade \fi
14635         {\@outputpage
14636          \@startdblcolumn}%
14637     \endgroup
14638     \global\jua@sk=0\global\jua@sar={}%
14639     \global\cor@height\z@\global\c@addvipersep\z@
14640     \fi
14641 \fi
14642 }
14643
14644
14645 \def\LTR@outputdblcol{%
14646     \if@firstcolumn
14647         \global \@firstcolumnfalse
14648         \global\setbox\@leftcolumn\copy\@outputbox
14649         \splitmaxdepth\maxdimen
14650         \vbadness\maxdimen
14651         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14652         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14653         \toks@\expandafter{\topmark}%

```



```

14654 \xdef\@firstcoltopmark{\the\toks@}%
14655 \toks@\expandafter{\splitfirstmark}%
14656 \xdef\@firstcolfirstmark{\the\toks@}%
14657 \ifx\@firstcolfirstmark\@empty
14658   \global\let\@setmarks\relax
14659 \else
14660   \gdef\@setmarks{%
14661     \let\firstmark\@firstcolfirstmark
14662     \let\topmark\@firstcoltopmark}%
14663 \fi
14664 \global\c@colht\@colht\global\c@advipersep\z@
14665 \ifnum\jua@sk>0
14666   \remove@strip\jua@sar
14667   \global\@colht\the\jua@pr
14668   \ifdim\right@cor>\z@
14669     \global\advance\@colht by\right@cor
14670   \fi
14671   \global\advance\@colht by\cor@height
14672   \global\cor@height=0pt
14673 \fi
14674 \global \setbox\@rightcolumn \vbox{%
14675 \else
14676   \ifdim\c@colht>\@colht
14677     \@tempdima\@colht
14678     \ifdim\@colht>\z@
14679       \global\setbox\@rightcolumn \vbox{%
14680         \unvbox\@rightcolumn
14681         \vbox to\@tempdima{%
14682           \vskip\c@advipersep\unvbox\@outputbox}%
14683         \vskip\stripsep
14684         \vrule height\the\jua@ht width 0pt depth 0pt
14685         \vskip\stripsep
14686       }%
14687       \global\c@advipersep\m@advipersep
14688     \else
14689       \global\setbox\@rightcolumn \vbox{%
14690         \unvbox\@rightcolumn
14691         \vrule height\the\jua@ht width 0pt depth 0pt
14692         \vskip\stripsep
14693       }%
14694   \fi
14695   \ifnum\jua@sk>0
14696     \remove@strip\jua@sar
14697     \global\@colht\the\jua@pr
14698     \global\advance\@colht by -\ht\@rightcolumn
14699     \global\advance\@colht by\cor@height
14700     \global\cor@height=0pt
14701   \else
14702     \global\advance\c@colht by-\ht\@rightcolumn
14703     \global\@colht\c@colht

```



```

14704         \fi
14705     \else
14706     \global\@firstcolumntrue
14707     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14708         \unvbox\@rightcolumn
14709         \vskip\c@addvipersep
14710         \unvbox\@outputbox
14711     }%
14712     \setbox\@outputbox \vbox {%
14713         \hb@xt@\textwidth {%
14714             \hb@xt@\columnwidth {%
14715                 \bidi@firstcolumn@status@write%
14716                 \box\@leftcolumn \hss}%
14717             \hfil
14718             \vrule \@width\columnseprule
14719             \hfil
14720             \hb@xt@\columnwidth {%
14721                 \bidi@lastcolumn@status@write%
14722                 \box\@outputbox \hss}%
14723             }%
14724         }%
14725     \@combinedblfloats
14726     \@setmarks
14727     \@outputpage
14728     \begingroup
14729     \@dblfloatplacement
14730     \@startdblcolumn
14731     \@whiles\if@fcolmade \fi
14732     {\@outputpage
14733     \@startdblcolumn}%
14734     \endgroup
14735     \global\jua@sk=0\global\jua@sar={}%
14736     \global\cor@height\z@\global\c@addvipersep\z@
14737     \fi
14738 \fi
14739 }
14740
14741
14742 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14743 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14744     \hsize\textwidth
14745     \@parboxrestore
14746     \col@number \@ne
14747     \vrule height\topskip width0pt depth0pt
14748 }
14749
14750 \def\endstrip{%
14751     \egroup\egroup
14752     \if@firstcolumn
14753         \ifdim\pagetotal>\z@

```





```

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

```

## 84 Fileminitoc-xetex-bidi.def

```

14782 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14783 \def\@undottedtocline#1#2#3#4#5{%
14784     \ifnum #1>\c@tocdepth\relax \else
14785         \vskip \z@ plus.2\p@
14786         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
14787         \parindent #2\relax\@afterindenttrue
14788         \interlinepenalty\@M
14789         \leavevmode
14790         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
14791         \hskip -\if@RTL\righskip\else\leftskip\fi
14792         #4\nobreak\hfill \nobreak
14793         \null\par}%
14794     \fi}
14795 \def\@Undottedtocline#1#2#3#4#5{%
14796     \ifnum #1>\c@tocdepth\relax \else
14797         \vskip \z@ \@plus.2\p@
14798         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
14799         \parindent #2\relax\@afterindenttrue
14800         \interlinepenalty\@M

```



```

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

```

## 85 File multicol-xetex-bidi.def

```

14820 \ProvidesFile{multicol-xetex-bidi.def}[2019/06/14 v1.2 bidi adaptations for multicol package]
14821 \def\page@sofar{%
14822 \process@cols\mult@rightbox
14823 {\ifvoid\count@
14824 \setbox\count@\hbox to\hsize{%
14825 \else
14826 \wd\count@\hsize
14827 \fi}%
14828 \count@\col@number \advance\count@\m@ne
14829 \mult@info\z@
14830 {Column spec: \the\full@width\space = indent
14831 + columns + sep =\MessageBreak
14832 \the\multicol@leftmargin\space
14833 + \the\col@number\space
14834 x \the\hsize\space
14835 + \the\count@\space
14836 x \the\columnsep
14837 }%
14838 \ifvmode\else\errmessage{Multicol Error}\fi
14839 \nointerlineskip
14840 \setbox\z@\hbox{\p}\global\dimen\tw@\dp\z@
14841 \moveright\multicol@leftmargin
14842 \hbox to\full@width{%
14843 \bidi@multicol@align@columns
14844 \rlap{\phantom p}%
14845 }%
14846 \prevdepth\z@
14847 \kern-\dimen\tw@

```



```

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

```



```

14898         \RTL@column@boxes}
14899 \newcommand\LTRmulticolcolumns
14900     {\let\bidicol@multicol@align@columns
14901         \LTR@column@boxes}
14902 \newcommand\bidicol@multicol@align@columns
14903     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14904 \bidicol@AtEndPreamble{%
14905     \if@bidicol@csdef{footinsv@1}{%
14906         \def\footnoterule{\kern-3\p@
14907             \hrule \@width \textwidth \kern 2.6\p@}%
14908     }{}%
14909 }
14910 \def\multicols#1{\col@number#1\relax
14911     \ifnum\col@number<\tw@
14912         \PackageWarning{multicol}%
14913             {Using `number\col@number'
14914             columns doesn't seem a good idea.^^J
14915             I therefore use two columns instead}%
14916         \col@number\tw@ \fi
14917     \ifnum\col@number>10
14918         \PackageError{multicol}%
14919             {Too many columns}%
14920             {Current implementation doesn't
14921             support more than 10 columns.%
14922             \MessageBreak
14923             I therefore use 10 columns instead}%
14924         \col@number10 \fi
14925     \ifx\@footnotetext\mult@footnotetext\else
14926         \let\orig@footnotetext\@footnotetext
14927         \let\@footnotetext\mult@footnotetext
14928     \fi
14929     \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14930         \let\orig@LTRfootnotetext\@LTRfootnotetext
14931         \let\@LTRfootnotetext\mult@LTRfootnotetext
14932     \fi
14933     \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14934         \let\orig@RTLfootnotetext\@RTLfootnotetext
14935         \let\@RTLfootnotetext\mult@RTLfootnotetext
14936     \fi
14937     \@ifnextchar[\mult@cols{\mult@cols[]}]
14938 \long\def\mult@footnotetext#1{\begingroup
14939     \hsize\textwidth
14940     \columnwidth\textwidth
14941     \orig@footnotetext{#1}\endgroup}
14942 \long\def\mult@LTRfootnotetext#1{\begingroup
14943     \hsize\textwidth
14944     \columnwidth\textwidth
14945     \orig@LTRfootnotetext{#1}\endgroup}
14946 \long\def\mult@RTLfootnotetext#1{\begingroup
14947     \hsize\textwidth

```



```

14948         \columnwidth\textwidth
14949         \orig@RTLfootnotetext{#1}\endgroup}
14950 \def\right@footnoterule{%
14951   \kern-3\p@
14952   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14953   \kern2.6\p@}
14954 \def\textwidth@footnoterule{\kern-3\p@
14955   \hrule \@width \textwidth \kern 2.6\p@}
14956 \def\bidileave@mult@copyins{%
14957   \advance\dimen@-\skip\@bidi@copyins@
14958   \advance\dimen@-\ht\@bidi@copyins@
14959 }
14960 \bidi@AtEndPreamble{%
14961   \if@bidi@csdef{footinsv@l}{%
14962     \def\bidileave@mult@footins@vr{%
14963       \advance\dimen@-\skip\footinsv@r
14964       \advance\dimen@-\ht\footinsv@r
14965     }%
14966     \def\bidileave@mult@footins@vl{%
14967       \advance\dimen@-\skip\footinsv@l
14968       \advance\dimen@-\ht\footinsv@l
14969     }%
14970     \def\bidi@init@mult@footinsv@r{%
14971       \multiply\count\footinsv@r\col@number
14972       \multiply\skip \footinsv@r\col@number
14973     }%
14974     \def\bidi@init@mult@footinsv@l{%
14975       \multiply\count\footinsv@l\col@number
14976       \multiply\skip \footinsv@l\col@number
14977     }%
14978     \def\bidi@reinsert@footnotesv@r{\ifvoid\footinsv@r\else
14979       \insert\footinsv@r{}\fi}%
14980     \def\bidi@reinsert@footnotesv@l{\ifvoid\footinsv@l\else
14981       \insert\footinsv@l{}\fi}%
14982     \bidi@patchcmd{\prepare@multicols}{%
14983       \reinsert@footnotes
14984     }{%
14985       \reinsert@footnotes
14986       \bidi@init@mult@footinsv@r
14987       \bidi@reinsert@footnotesv@r
14988       \bidi@init@mult@footinsv@l
14989       \bidi@reinsert@footnotesv@l
14990     }{}{}%
14991     \bidi@patchcmd{\multi@column@out}{%
14992       \ifnum \c@tracingmulticols>\thr@@
14993     }{%
14994       \ifvoid\footinsv@r
14995       \ifvoid\footinsv@l
14996       \else
14997         \PackageWarning{multicol}%

```



```

14998         {I moved some lines to
14999         the next page.\MessageBreak
15000         Footnotes on page
15001         \thepage\space might be wrong}%
15002     \fi
15003 \else
15004     \PackageWarning{multicol}%
15005     {I moved some lines to
15006     the next page.\MessageBreak
15007     Footnotes on page
15008     \thepage\space might be wrong}%
15009 \fi
15010 \ifnum \c@tracingmulticols>\thr@@
15011 }{}{}%
15012 \bidi@patchcmd{\endmulticols}{%
15013 \reinsert@footnotes
15014 }{%
15015 \reinsert@footnotes
15016 \bidi@reinsert@footnotesv@r
15017 \bidi@reinsert@footnotesv@l
15018 }{}{}%
15019 \bidi@patchcmd{\speci@ls}{%
15020 \reinsert@footnotes
15021 }{%
15022 \reinsert@footnotes
15023 \bidi@reinsert@footnotesv@r
15024 \bidi@reinsert@footnotesv@l
15025 }{}{}%
15026 \bidi@patchcmd{\speci@ls}{%
15027 \reinsert@footnotes
15028 }{%
15029 \reinsert@footnotes
15030 \bidi@reinsert@footnotesv@r
15031 \bidi@reinsert@footnotesv@l
15032 }{}{}%
15033 }{}%
15034 \bidi@patchcmd{\multi@column@out}{%
15035 \ifvbox \@kludgeins
15036 }{%
15037 \if@bidi@csdef{footinsv@l}{%
15038 \divide\skip\footinsv@r\col@number
15039 \ifvoid\footinsv@r \else
15040 \bidi@leave@mult@footins@vr
15041 \fi
15042 \divide\skip\footinsv@l\col@number
15043 \ifvoid\footinsv@l \else
15044 \bidi@leave@mult@footins@vl
15045 \fi
15046 }{}%
15047 \ifvoid\@bidi@copyins@ \else

```



```

15048         \bidi@leave@mult@copyins
15049     \fi
15050     \ifvbox \@kludgeins
15051 }{}{}%
15052 }

```

## 86 File multienum-xetex-bidi.def

```

15053 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
15054 \renewcommand{\itemx}[1]{\parbox[t]{%
15055 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15056 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
15057 \renewcommand{\itemxx}[2]{\parbox[t]{%
15058 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15059 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15060 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15061 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
15062 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15063 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15064 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15065 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15066 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
15067 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15068 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
15069 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
15070 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15071 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15072 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15073 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15074 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15075 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
15076 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15077 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
15078 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
15079 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15080 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
15081 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15082 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
15083 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15084 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
15085 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15086 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
15087 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15088 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
15089 \renewcommand{\itemxox}[2]{\parbox[t]{%
15090 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15091 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15092 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15093 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15094 \renewcommand{\itemxox}[2]{\parbox[t]{%

```



```

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

```

## 87 File natbib-xetex-bidi.def

```

15120 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X]
15121 \renewenvironment{thebibliography}[1]{%
15122 \bibsection
15123 \parindent\z@
15124 \bibpreamble
15125 \bibfont
15126 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15127 \bidi@thebibliography@font@hook%
15128 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15129 \ifNAT@openbib
15130 \renewcommand\newblock{\par}%
15131 \else
15132 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15133 \fi
15134 \sloppy\clubpenalty4000\widowpenalty4000
15135 \sfcode`\.\@m
15136 \let\NAT@bibitem@first@sw\@firstoftwo
15137 \let\citeN\cite \let\shortcite\cite
15138 \let\citeasnoun\cite
15139 }{%
15140 \bibitem@fin
15141 \bibpostamble

```





```

15142 \def\@noitemerr{%
15143   \PackageWarning{natbib}{Empty `thebibliography' environment}%
15144 }%
15145 \endlist
15146 \bibcleanup
15147}%

```

## 88 File newfloat-xetex-bidi.def

```

15148 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
15149 \renewcommand*{\newfloat@setwithin}[2]{%
15150   \ifcsname c@chapter\endcsname
15151     \@removefromreset{#1}{chapter}%
15152   \fi
15153   \@removefromreset{#1}{section}%
15154   \edef\@tempa{#2}%
15155   \ifx\@tempa\@empty
15156     \def\@tempa{none}%
15157   \fi
15158   \def\@tempb{none}%
15159   \ifx\@tempa\@tempb
15160     \ifcsname c@chapter\endcsname
15161       \@chapterlistsgap@off{#1}%
15162     \fi
15163     \newfloat@@setwithin{#1}{-}{-}%
15164   \else
15165     \def\@tempb{chapter}%
15166     \ifx\@tempa\@tempb
15167       \@addtoreset{#1}{chapter}%
15168       \@chapterlistsgap@on{#1}%
15169       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
15170     \else
15171       \def\@tempb{section}%
15172       \ifx\@tempa\@tempb
15173         \@addtoreset{#1}{section}%
15174         \ifcsname c@chapter\endcsname
15175           \@addtoreset{#1}{chapter}%
15176           \@chapterlistsgap@on{#1}%
15177           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15178         \else
15179           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
15180         \fi
15181       \else
15182         \newfloat@Error{Invalid value `#2' for option `within'}%
15183       \fi
15184     \fi
15185   \fi}

```

## 89 File ntheorem-xetex-bidi.def



```

15186 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
15187 \gdef\@thm#1#2#3{%
15188   \if@thmmarks
15189     \stepcounter{end\InTheoType ctr}%
15190   \fi
15191   \renewcommand{\InTheoType}{#1}%
15192   \if@thmmarks
15193     \stepcounter{curr#1ctr}%
15194     \setcounter{end#1ctr}{0}%
15195   \fi
15196   \refstepcounter{#2}%
15197   \theorem@prework
15198   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15199   \ifvmode \advance\thm@topsepadd\partopsep\fi
15200   \trivlist
15201   \@topsep \theorempreskipamount
15202   \@topsepadd \thm@topsepadd % used by \@endparenv
15203   \advance\linewidth -\theorem@indent
15204   \advance\@totalleftmargin \theorem@indent
15205   \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15206   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

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

```

15207 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
15208 \gdef\@thm#1#2#3{%
15209   \if@thmmarks
15210     \stepcounter{end\InTheoType ctr}%
15211   \fi
15212   \renewcommand{\InTheoType}{#1}%
15213   \if@thmmarks
15214     \stepcounter{curr#1ctr}%
15215     \setcounter{end#1ctr}{0}%
15216   \fi
15217   \refstepcounter{#2}%
15218   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15219   \ifvmode \advance\thm@topsepadd\partopsep\fi
15220   \trivlist
15221   \@topsep \theorempreskipamount
15222   \@topsepadd \thm@topsepadd % used by \@endparenv
15223   \advance\linewidth -\theorem@indent
15224   \advance\@totalleftmargin \theorem@indent
15225   \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15226   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 91 File overpic-xetex-bidi.def

```

15227 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package]
15228 \renewenvironment{overpic}[2] [] {%
15229   \sbox{\z@}{\includegraphics[#1]{#2}}%

```



```

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

```

## 92 File pdfbase-xetex-bidi.def

```

15261 \ProvidesFile{pdfbase-xetex-bidi.def}[2018/09/29 v0.2 bidi adaptations for pdfbase package for
15262 \ExplSyntaxOn
15263 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15264 \cs_set_nopar:Npn\@outputpage{
15265 \int_gincr:N\g_pbs_page_int
15266 \iow_now:Nx\@mainaux{
15267 \token_to_str:N\pbs@newkey{\pbs@last@page}{\int_use:N\g_pbs_page_int}
15268 }
15269 \box_if_vertical:cTF{\@outputbox}{
15270 \bool_set_true:N\l_pbs_is_vertical_bool
15271 }{
15272 \bool_set_false:N\l_pbs_is_vertical_bool
15273 }
15274 \hbox_set:Nn\@outputbox{
15275 %begin of page
15276 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}

```



```

15277 \box_use_clear:N\@outputbox
15278 %end of page
15279 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15280 }
15281 \bool_if:NT\l_pbs_is_vertical_bool{
15282 \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
15283 }
15284 \pbs_outputpage_orig:
15285 }
15286 \ExplSyntaxOff

```

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

```

15287 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15288 \renewcommand*{\includepdf}[2][\]{%
15289 \begingroup
15290 \@RTLfalse
15291 \let\AM@threadname\relax
15292 \AM@split@options{pdfpages}{#1}%
15293 \edef\AM@temp{\pdfpages{\the\@temptokena}}%
15294 \expandafter\setkeys\AM@temp
15295 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15296 \let\AM@currentdocname\relax
15297 \renewcommand\includegraphics[2][\]{Survey in draft-mode}%
15298 \def\AM@pagecount{0}%
15299 }{%
15300 \AM@findfile{#2}%
15301 \if\AM@threadname\relax
15302 \def\AM@threadname{\AM@currentdocname}%
15303 \fi
15304 }%
15305 \ifAM@survey
15306 \def\AM@pagestemp{}%
15307 \@tempcnta=0
15308 \def\foo{%
15309 \@ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
15310 {\let\foo\relax}
15311 {\expandafter\ifx\expandafter\\AM@pagestemp\\
15312 \edef\AM@pagestemp{%
15313 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15314 \else
15315 \edef\AM@pagestemp{\AM@pagestemp,%
15316 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15317 \fi
15318 \advance\@tempcnta 1\relax
15319 }%
15320 \foo
15321 }%
15322 \foo
15323 \expandafter\ifx\expandafter\\AM@pagestemp\\

```



```

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

```

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

```

15335 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15336 \def\pgfpicture{%
15337     \begingroup%
15338     \ifmmode\else\@RTLfalse\beginL\fi%
15339     \pgfpicturetrue%
15340     \global\advance\pgf@picture@serial@count by1\relax%
15341     \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
15342     \let\pgf@nodecallback=\pgfutil@gobble%
15343     \pgf@picmaxx=-16000pt\relax%
15344     \pgf@picminx=16000pt\relax%
15345     \pgf@picmaxy=-16000pt\relax%
15346     \pgf@picminy=16000pt\relax%
15347     \pgf@relevantforpicturesizetrue%
15348     \pgf@resetpathsizes%
15349     \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
15350 \def\endpgfpicture{%
15351     \ifpgfrememberpicturepositiononpage%
15352         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15353     \fi%
15354     % ok, now let's position the box
15355     \ifdim\pgf@picmaxx=-16000pt\relax%
15356         % empty picture. make size 0.
15357         \global\pgf@picmaxx=0pt\relax%
15358         \global\pgf@picminx=0pt\relax%
15359         \global\pgf@picmaxy=0pt\relax%
15360         \global\pgf@picminy=0pt\relax%
15361     \fi%
15362     % Shift baseline outside:
15363     \pgf@relevantforpicturesizefalse%
15364     \pgf@process{\pgf@baseline}%
15365     \xdef\pgf@shift@baseline{\the\pgf@y}%
15366     %
15367     \pgf@process{\pgf@trimleft}%
15368     \global\advance\pgf@x by-\pgf@picminx
15369     % prepare \hskip\pgf@trimleft@final.
15370     % note that \pgf@trimleft@final is also queried

```



```

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

```

## 95 File picinpar-xetex-bidi.def

```

15399 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15400 \long\def\@makewincaption#1#2{%
15401   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15402   \ifdim\wd\@tempboxa>\picwd
15403     {\footnotesize{\bf #1:\enspace}{#2\par}}
15404   \else
15405     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15406   \fi}
15407 \def\endwindow{%
15408   \global\tcd=\tcdsav
15409   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15410   \vbadness=10000
15411   \splittopskip=0pt
15412 %
15413 % Typeset the lines above the window
15414 %
15415 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15416 \tcn=\tcd
15417 \loop\advance\tcn -1

```



```

15418 \setbox\fslice=\vsplit\holder to\baselineskip
15419 \prune\fslice\linewidth
15420 \topheight=0pt
15421 \ifnum\dp\fslice>\dp\wstrutbox
15422     \advance\topheight-\dp\fslice
15423     \advance\topheight\dp\wstrutbox
15424     \advance\topheight\ilg\fi
15425 \hbox to\linewidth{\box\fslice}
15426 \vskip-\topheight
15427 \ifdim\ht\holder>0pt\repeat
15428 \fi
15429 %
15430 % Now we build the boxes beside the window
15431 %
15432 \global\topheight=\tcl\baselineskip
15433 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15434     \global\topheight=\vpic
15435 \fi
15436 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15437 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15438 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15439 \tcn=\tcl \na=0 \nb=0
15440 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15441 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15442 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15443 \ifnum\na=0\ifnum\nb=0
15444     \setbox\waslice=\vbox to\vpic{\vss}
15445     \setbox\wbslice=\vbox to\vpic{\vss}
15446     \bl=1\br=1
15447     \vskip\ilg
15448 \fi\fi
15449 %
15450 % both sides
15451 %
15452 \ifnum\na>0 \ifnum\nb>0
15453 \loop\advance\nb -1
15454 \advance\na -1
15455 \if@RTL%
15456 \setbox\bslice=\vsplit\holder to\baselineskip
15457 \prune\bslice\rtside
15458 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15459 to\rtside{\box\bslice\hfil}}
15460 \setbox\aslice=\vsplit\holder to\baselineskip
15461 \prune\aslice\lftside
15462 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15463 to\lftside{\box\aslice\hfil}}
15464 \else%
15465 \setbox\aslice=\vsplit\holder to\baselineskip
15466 \prune\aslice\lftside
15467 \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

15468 to\lftside{\box\aslice\hfil}}
15469 \setbox\bslice=\vsplit\holder to\baselineskip
15470 \prune\bslice\rtside
15471 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15472 to\rtside{\box\bslice\hfil}}
15473 \fi%
15474 \ifnum\nb>0\repeat
15475 \fi\fi
15476 %
15477 % only text on the left side
15478 %
15479 \ifnum\na>0
15480     \loop\advance\na -1
15481     \setbox\aslice=\vsplit\holder to\baselineskip
15482     \prune\aslice\lftside
15483     \setbox\waslice=\vbox{\unvbox\waslice\hbox
15484 to\lftside{\box\aslice\hfil}}
15485     \ifdim\ht\holder>0pt\repeat
15486 \fi
15487 %
15488 % only text on the right side
15489 %
15490 \ifnum\nb>0
15491     \loop\advance\nb -1
15492     \setbox\bslice=\vsplit\holder to\baselineskip
15493     \prune\bslice\rtside
15494     \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15495 to\rtside{\box\bslice\hfil}}
15496     \ifdim\ht\holder>0pt\repeat
15497 \fi
15498 %
15499 % fixing the dimensions of the window part
15500 %
15501 \ifnum\bl=0\topheight=\ht\wbslice
15502 \else\ifnum\br=0\topheight=\ht\waslice
15503     \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15504         \else\topheight=\ht\wbslice\fi\fi\fi
15505 %
15506 % ship out the window material to the main vertical list
15507 %
15508 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15509 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15510 \fi\fi\fi
15511 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15512 \ifnum\bl>0\box\waslice\hfill\fi%
15513 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15514 \vfill\unvbox\picbox%
15515 \ifnum\picwd>0\vfill\fi%
15516 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15517 \unvbox>windowbox%

```





```

15518 \loop
15519   \setbox\bslice=\vsplit\rawtext to\baselineskip
15520   \prune\bslice\linewidth
15521   \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15522   \unvbox\wbslice
15523   \ifdim\ht\rawtext>Opt
15524 \repeat
15525 }% FINITO

```

## 96 File plain-xetex-bidi.def

```

15526 \def\TeXeTOn{\TeXeTstate=1 }
15527 \def\TeXeTOff{\TeXeTstate=0 }
15528 \TeXeTOn
15529 \def\usebox#1{\leavevmode\copy #1\relax}
15530 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15531   \let\bidi@o@everypar=\everypar
15532   \newtoks\bidi@n@everypar
15533   \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15534   \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15535   \let\everypar=\bidi@n@everypar
15536 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15537 \def\moreRE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15538 \protected\def\hboxR{\hbox\bgroup
15539   \everyhbox{%
15540     \aftergroup\egroup
15541     \everyhbox{}}%
15542   \beginR
15543   \@hboxRconstructtrue
15544   \bgroup
15545   \aftergroup\endR
15546   \aftergroup\egroup
15547 } \hbox}
15548 \protected\def\hboxL{\hbox\bgroup
15549   \everyhbox{%
15550     \aftergroup\egroup
15551     \everyhbox{}}%
15552   \beginL
15553   \@hboxRconstructfalse
15554   \bgroup
15555   \aftergroup\endL
15556   \aftergroup\egroup
15557 } \hbox}
15558 \protected\def\vboxR{\vbox\bgroup
15559   \everyvbox{%
15560     \aftergroup\egroup
15561     \everyvbox{}}%
15562   \@RTLtrue
15563   \bgroup
15564   \aftergroup\egroup

```



```

15565 } \vbox}
15566 \protected\def\vboxL{\vbox\bgroup
15567   \everyvbox{%
15568     \aftergroup\egroup
15569     \everyvbox{}}%
15570   \@RTLfalse
15571   \bgroup
15572   \aftergroup\egroup
15573 } \vbox}
15574 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15575 \def\endLTR{\par}
15576 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15577 \def\endRTL{\par}
15578 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15579 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15580 \let\unsetRTL=\setLTR
15581 \let\unsetLTR=\setRTL
15582 \let\LR=\LRE
15583 \let\RL=\RLE
15584 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15585 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15586 \let\@ensure@RL=\@ensure@RTL
15587 \let\@ensure@LR=\@ensure@LTR
15588 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15589 \let\@ensure@maindir=\@ensure@dir
15590 \def\@RTL{RTL}
15591 \def\@LTR{LTR}
15592 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
15593 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
15594 \let\@TeX\TeX
15595 \def\TeX{\@ensure@LTR{\@TeX}}
15596 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
15597 \dimen@=\dp\ccclv \unvbox\ccclv % open up \box255
15598 \ifvoid\footins\else % footnote info is present
15599   \vskip\skip\footins
15600   \footnoterule
15601   \unvbox\footins\fi
15602 \ifrggedbottom \kern-\dimen@ \vfil \fi
15603 \ifvoid\@bidi@copyins@
15604 \else
15605   \vskip\skip\@bidi@copyins@
15606   \unvbox\@bidi@copyins@
15607 \fi
15608 }
15609 \long\def\bidi@reflect@box#1{%
15610   \leavevmode
15611   \setbox\z@\hbox{#1}%
15612   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15613   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15614 }

```



```

15615 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
15616 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}}}
15617 \let\setRL=\setRTL
15618 \let\setLR=\setLTR
15619 \let\unsetRL=\setLTR
15620 \let\bidisaved@eqno=\eqno
15621 \let\bidisaved@leqno=\leqno
15622 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
15623 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
15624 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15625 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15626 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

## 97 File pstricks-xetex-bidi.def

```

15627 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package 1
15628 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15629 \def\endpspicture{%
15630 \ifshowgrid\ifnum\showgridp@s>0
15631 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15632 \pst@killglue
15633 % \global\pst@shift=\pst@shift% in fact of the following endgroup
15634 \endgroup
15635 \egroup
15636 \ifdim\wd\pst@hbox=\z@\else
15637 %\@pstrickserr{Extraneous space in the pspicture environment}%
15638 %\Type \space <return> \space to proceed.}%
15639 \fi
15640 \ht\pst@hbox=\pst@dimd
15641 \dp\pst@hbox=-\pst@dimb
15642 \setbox\pst@hbox=\hbox{%
15643 \kern-\pst@dimd
15644 % Orig version -----
15645 %\ifx\pst@tempa\@empty\else
15646 %\advance\pst@dimd-\pst@dimb
15647 %\pst@dimd=\pst@tempa\pst@dimd
15648 %\advance\pst@dimd\pst@dimb
15649 %\lower\pst@dimd
15650 %\fi
15651 %----- end Orig
15652 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15653 \advance\pst@dimd-\pst@dimb
15654 \pst@dimd=0.5\pst@dimd
15655 \else\pst@dimd-\pst@shift\fi
15656 \advance\pst@dimd\pst@dimb
15657 \lower\pst@dimd
15658 \box\pst@hbox
15659 \kern\pst@dimc}%
15660 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15661 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else

```



```

15662 \fboxsep=0pt
15663 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15664 \ifmmode\else\endL\fi
15665 \endgroup%
15666 \psset[pstricks]{shift=0}% reset value
15667 }

```

## 98 File quotchap-xetex-bidi.def

```

15668 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15669 \renewcommand{\qauthor}[1]{%
15670   \par\smallskip
15671   {\ifRTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
15672 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15673   {\size@chapter{\sectfont\ifRTL\raggedright\else\raggedleft\fi
15674     {\chapnumfont
15675       \ifnum \c@secnumdepth >\m@ne%
15676       \if@mainmatter\thechapter%
15677       \fi\fi
15678       \par\nobreak}%
15679     {\ifRTL\raggedright\else\raggedleft\fi\advance\ifRTL\rightmargin\else\leftmargin\fi10pt}
15680     \nobreak\chapterheadendvskip}}
15681 \renewcommand*{\@iprintcites}{%
15682   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15683   \global\let\@printcites\relax}

```

## 99 File ragged2e-xetex-bidi.def

```

15684 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
15685 \renewcommand{\Centering}{%
15686   \ifx\\ \@raggedtwoe@savedcr
15687     \let\\ \@centercr
15688   \fi
15689   \let\@gnewline\@raggedtwoe@gnewline
15690   \ifRTL\rightright\else\leftskip\fi\CenteringLeftskip
15691   \@rightskip\CenteringRightskip
15692   \ifRTL\leftskip\else\rightright\fi\@rightskip
15693   \parfillskip\CenteringParfillskip
15694   \parindent\CenteringParindent
15695   \@raggedtwoe@spaceskiptrue
15696   \@raggedtwoe@everyselectfont
15697 }
15698 \renewcommand{\RaggedLeft}{%
15699   \ifx\\ \@raggedtwoe@savedcr
15700     \let\\ \@centercr
15701   \fi
15702   \let\@gnewline\@raggedtwoe@gnewline
15703   \ifRTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
15704   \@rightskip\RaggedLeftRightskip
15705   \ifRTL\leftskip\else\rightright\fi\@rightskip

```



```

15706 \parfillskip\RaggedLeftParfillskip
15707 \parindent\RaggedLeftParindent
15708 \@raggedtwoe@spaceskiptrue
15709 \@raggedtwoe@everyselectfont
15710 }
15711 \renewcommand{\RaggedRight}{%
15712 \ifx\\@raggedtwoe@savedcr
15713 \let\\@centercr
15714 \fi
15715 \let@gnewline@raggedtwoe@gnewline
15716 \if@RTL\rightright\else\leftskip\fi\RaggedRightLeftskip
15717 \@rightskip\RaggedRightRightskip
15718 \if@RTL\leftskip\else\rightright\fi@rightskip
15719 \parfillskip\RaggedRightParfillskip
15720 \parindent\RaggedRightParindent
15721 \@raggedtwoe@spaceskiptrue
15722 \@raggedtwoe@everyselectfont
15723 }
15724 \renewcommand{\justifying}{%
15725 \let\\@raggedtwoe@savedcr
15726 \let@gnewline@raggedtwoe@saved@gnewline
15727 \if@RTL\rightright\else\leftskip\fi\z@
15728 \@rightskip\z@
15729 \if@RTL\leftskip\else\rightright\fi@rightskip
15730 \parfillskip\JustifyingParfillskip
15731 \parindent\JustifyingParindent
15732 \@raggedtwoe@spaceskipfalse
15733 \@raggedtwoe@everyselectfont
15734 }
15735 \def\@raggedtwoe@raggedrightboxes@opt{%
15736 \renewcommand{\@arrayparboxrestore}{%
15737 \let\if@nobreak\iffalse
15738 \let\if@noskipsec\iffalse
15739 \let\par@@par
15740 \let\-\@dischph
15741 \let'\@acci\let'\@accii\let\=\@acciii
15742 \parskip\z@skip
15743 \everypar{}%
15744 \linewidth\hsize
15745 \@totalleftmargin\z@
15746 \if@RTL
15747 \RaggedLeft
15748 \else
15749 \RaggedRight
15750 \fi
15751 \lineskip\normallineskip
15752 \baselineskip\normalbaselineskip
15753 \sloppy}%
15754 \let\@raggedtwoe@raggedrightboxes@opt\relax
15755 }

```



```

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

```

## 100 File rapport1-xetex-bidi.def

```

15784 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15785 \renewenvironment{theindex}{%
15786   \if@twocolumn
15787     \@restonecolfalse
15788   \else
15789     \@restonecoltrue
15790   \fi
15791   \columnseprule \z@
15792   \columnsep 35\p@
15793   \twocolumn[\@makeschapterhead{\indexname}]%
15794   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15795   \thispagestyle{plain}\parindent\z@
15796   \parskip\z@ \@plus .3\p@\relax
15797   \let\item\@idxitem
15798 }{%
15799   \if@restonecol\onecolumn\else\clearpage\fi}
15800 \renewcommand*{head@style}{%
15801   \interlinepenalty \@M
15802   \hyphenpenalty=\@M \exhyphenpenalty=\@M

```



```

15803 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15804 \if@titlepage
15805 \renewenvironment{abstract}{%
15806 \titlepage
15807 \null\vfil
15808 \section*{\SectFont\abstractname}%
15809 \noindent\ignorespaces}
15810 {\par\vfil\null\endtitlepage}
15811 \else
15812 \renewenvironment{abstract}{%
15813 \if@twocolumn
15814 \section*{\abstractname}%
15815 \else
15816 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15817 \section*{\small\SectFont\abstractname}%
15818 \noindent\ignorespaces
15819 \fi}
15820 {\if@twocolumn\else\par\egroup\fi}
15821 \fi
15822 \renewcommand*\@regtocline[3]{%
15823 \ifnum #1>\c@tocdepth
15824 \else
15825 \vskip\z@\@plus.2\p@
15826 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15827 \if@RTL\rightskip\else\leftskip\fi\unitindent
15828 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
15829 \parfillskip\z@
15830 \@tempdima\unitindent
15831 \parindent\z@
15832 \leavevmode
15833 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15834 \hskip 1em \nobreak{\slshape #3}\par
15835 }%
15836 \fi}
15837 \if@oldtoc
15838 \renewcommand*\l@part[2]{%
15839 \ifnum \c@tocdepth >-2\relax
15840 \addpenalty{-\@highpenalty}%
15841 \addvspace{2.25em \@plus\p@}%
15842 \begingroup
15843 \setlength\@tempdima{3em}%
15844 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15845 \parfillskip -\@pnumwidth
15846 {\leavevmode
15847 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15848 \nobreak
15849 \global\@nobreaktrue
15850 \everypar{\global\@nobreakfalse\everypar{}}%
15851 \endgroup
15852 \fi}

```



```

15853 \else
15854   \renewcommand*\l@part{%
15855     \ifnum \c@tocdepth >-2\relax
15856       \addpenalty{-\@highpenalty}%
15857       \addvspace{2.25em \@plus \p@}%
15858       \regtocline{0}%
15859     \fi}
15860 \fi
15861 \if@oldtoc
15862 \renewcommand*\l@chapter[2]{%
15863   \addpenalty{-\@highpenalty}%
15864   \vskip 1.0em \@plus \p@
15865   \setlength\@tempdima{1.5em}%
15866   \begingroup
15867     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15868     \parfillskip -\@pnumwidth
15869     \leavevmode \bfseries
15870     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15871     \hskip -\if@RTL\rightskip\else\leftskip\fi
15872     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15873     \penalty\@highpenalty
15874   \endgroup}
15875 \else
15876   \renewcommand*\l@chapter{\@regtocline{0}}
15877 \fi
15878 \renewcommand*\left@footnoterule{%
15879   \kern-3\p@
15880   \kern.5\baselineskip
15881   \hrule\@width\unitindent
15882   \kern.4\baselineskip
15883 }
15884 \renewcommand*\right@footnoterule{%
15885   \kern-3\p@
15886   \kern.5\baselineskip
15887   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15888   \kern.4\baselineskip}
15889 \renewenvironment{thebibliography}[1]
15890   {\chapter*{\bibname}%
15891     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15892     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15893     \bidi@thebibliography@font@hook%
15894     \list{\@biblabel{\@arabic\c@enumiv}}%
15895       {\settowidth\labelwidth{\@biblabel{#1}}%
15896        \leftmargin\labelwidth
15897        \advance\leftmargin\labelsep
15898        \@openbib@code
15899        \usecounter{enumiv}%
15900        \let\p@enumiv\@empty
15901        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15902     \sloppy\clubpenalty4000\widowpenalty4000%

```





```

15903 \sfcode`.\@m}
15904 {\def\@noitemerr
15905 {\@latex@warning{Empty `thebibliography' environment}}}%
15906 \endlist}
15907 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15908 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15909 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15910 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15911 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15912 \renewcommand*\theequation{%
15913 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15914 \renewcommand*\thefigure{%
15915 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15916 \renewcommand*\thetable{%
15917 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15918 \if@titlepage
15919 \renewcommand*\TitleFont{\rmfamily}
15920 \renewcommand*\maketitle{%
15921 \begin{titlepage}%
15922 \let\footnotesize\small
15923 \let\right@footnoterule\relax
15924 \let\left@footnoterule\relax
15925 \let\textwidth\footnoterule\relax
15926 \let \footnote \thanks
15927 \long\def\@makefnmark##1{\parindent\z@
15928 \def\labelitemi{\textendash}\@revlabeltrue
15929 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15930 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15931 \if@compatibility\setcounter{page}{0}\fi
15932 \null\vfil
15933 \vskip 60\p@
15934 \begin{center}%
15935 \TitleFont
15936 {\LARGE \def\\{\penalty -\@M}
15937 \if@allcaps
15938 \expandafter\uc@nothanks\@title\thanks\relax
15939 \else
15940 \@title
15941 \fi\par}%
15942 \vskip 3em%
15943 {\large
15944 \lineskip .75em \parindent\z@
15945 \begin{tabular}[t]{c}%
15946 \if@allcaps
15947 \expandafter\uc@author\@author\and\relax
15948 \else
15949 \@author
15950 \fi
15951 \end{tabular}\par}%
15952 \vskip 1.5em%

```



```

15953     {\large
15954       \if@allcaps
15955         \uppercase\expandafter{\@date}%
15956       \else
15957         \@date
15958       \fi\par}%
15959     \end{center}\par
15960     \@thanks
15961     \vfil\null
15962   \end{titlepage}%
15963   \setcounter{footnote}{0}%
15964   \global\let\thanks\relax
15965   \global\let\maketitle\relax
15966   \global\let\@thanks\@empty
15967   \global\let\@author\@empty
15968   \global\let\@title\@empty
15969   \global\let\@date\@empty
15970   \global\let\title\relax
15971   \global\let\author\relax
15972   \global\let\date\relax
15973   \global\let\and\relax
15974 }
15975 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15976 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15977   \futurelet\@tempa\uc@ax}
15978 \def\uc@ax{%
15979   \ifx\@tempa\relax
15980   \else
15981     \\\andname \\\expandafter\uc@authornothanks
15982   \fi}
15983 \def\uc@tx{\ifx\@tempa\relax
15984   \else \expandafter\uc@ty \fi}
15985 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15986 \else
15987 \renewcommand*\maketitle{\par
15988   \begingroup
15989     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15990     \def\@makefnmark{\rlap{%
15991       \@textsuperscript{\normalfont\@thefnmark}}}%
15992     \long\def\@makefntext{\@xmakefntext{%
15993       \@textsuperscript{\normalfont\@thefnmark}}}%
15994     \if@twocolumn
15995       \ifnum \col@number=\@ne
15996         \@maketitle
15997       \else
15998         \twocolumn[\@maketitle]%
15999       \fi
16000     \else
16001       \newpage
16002       \global\@topnum\z@

```



```

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

```

## 101 File rapport3-xetex-bidi.def

```

16039 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
16040 \renewenvironment{theindex}{%
16041   \if@twocolumn
16042     \@restonecolfalse
16043   \else
16044     \@restonecoltrue
16045   \fi
16046   \columnseprule \z@
16047   \columnsep 35\p@
16048   \twocolumn[\@makeschapterhead{\indexname}]%
16049   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%

```



```

16050 \thispagestyle{plain}\parindent\z@
16051 \parskip\z@ \@plus .3\p@\relax
16052 \let\item\@idxitem
16053 }{%
16054 \if@restonecol\onecolumn\else\clearpage\fi}
16055 \if@titlepage
16056 \renewcommand*\TitleFont{\rmfamily}
16057 \renewcommand*\maketitle{%
16058 \begin{titlepage}%
16059 \let\footnotesize\small
16060 \let\right@footnoterule\relax
16061 \let\left@footnoterule\relax
16062 \let\textwidth\footnoterule\relax
16063 \let \footnote \thanks
16064 \let \LTRfootnote \LTRthanks
16065 \let \RTLfootnote \RTLthanks
16066 \long\def\@makefntext##1{\parindent\z@
16067 \def\labelitemi{\textendash}\@revlabeltrue
16068 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16069 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16070 \if@compatibility\setcounter{page}{0}\fi
16071 \null\vfil
16072 \vskip 60\p@
16073 \begin{center}%
16074 \TitleFont
16075 {\LARGE \def\\{\penalty -\@M}
16076 \if@allcaps
16077 \expandafter\uc@nothanks\@title\thanks\relax
16078 \else
16079 \@title
16080 \fi\par}%
16081 \vskip 3em%
16082 {\large
16083 \lineskip .75em \parindent\z@
16084 \begin{tabular}[t]{c}%
16085 \if@allcaps
16086 \expandafter\uc@authornothanks\@author\and\relax
16087 \else
16088 \@author
16089 \fi
16090 \end{tabular}\par}%
16091 \vskip 1.5em%
16092 {\large
16093 \if@allcaps
16094 \uppercase\expandafter{\@date}%
16095 \else
16096 \@date
16097 \fi\par}%
16098 \end{center}\par
16099 \@thanks

```



```

16100 \vfil\null
16101 \end{titlepage}%
16102 \setcounter{footnote}{0}%
16103 \global\let\thanks\relax
16104 \global\let\LTRthanks\relax
16105 \global\let\RTLthanks\relax
16106 \global\let\maketitle\relax
16107 \global\let\@thanks\@empty
16108 \global\let\@author\@empty
16109 \global\let\@title\@empty
16110 \global\let\@date\@empty
16111 \global\let\title\relax
16112 \global\let\author\relax
16113 \global\let\date\relax
16114 \global\let\and\relax
16115 }
16116 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16117 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16118 \futurelet\@tempa\uc@ax}
16119 \def\uc@ax{%
16120 \ifx\@tempa\relax
16121 \else
16122 \\\andname \\\expandafter\uc@authornothanks
16123 \fi}
16124 \def\uc@tx{\ifx\@tempa\relax
16125 \else \expandafter\uc@ty \fi}
16126 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16127 \else
16128 \renewcommand*\maketitle{\par
16129 \begingroup
16130 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16131 \def\@makefnmark{\rlap{%
16132 \@textsuperscript{\normalfont\@thefnmark}}}%
16133 \long\def\@makefntext{\@xmakefntext{%
16134 \@textsuperscript{\normalfont\@thefnmark}}}%
16135 \if@twocolumn
16136 \ifnum \col@number=\@one
16137 \@maketitle
16138 \else
16139 \twocolumn[\@maketitle]%
16140 \fi
16141 \else
16142 \newpage
16143 \global\@topnum\z@
16144 \@maketitle
16145 \fi
16146 \thispagestyle{plain}\@thanks
16147 \endgroup
16148 \setcounter{footnote}{0}%
16149 \global\let\thanks\relax

```



```

16150 \global\let\LTRthanks\relax
16151 \global\let\RTLthanks\relax
16152 \global\let\maketitle\relax
16153 \global\let\@maketitle\relax
16154 \global\let\@thanks\@empty
16155 \global\let\@author\@empty
16156 \global\let\@title\@empty
16157 \global\let\@date\@empty
16158 \global\let\title\relax
16159 \global\let\author\relax
16160 \global\let\date\relax
16161 \global\let\and\relax
16162 }
16163 \def\@maketitle{%
16164   \newpage
16165   \null
16166   \vskip 2em%
16167   \if@titlecentered
16168     \begin{center}%
16169       \let \footnote \thanks
16170       \let \LTRfootnote \LTRthanks
16171       \let \RTLfootnote \RTLthanks
16172       {\LARGE \TitleFont \@title \par}%
16173       \vskip 1.5em%
16174       {\large \TitleFont
16175         \lineskip .5em%
16176         \begin{tabular}[t]{c}%
16177           \@author
16178         \end{tabular}\par}%
16179       \vskip 1em%
16180       {\large \TitleFont \@date}%
16181     \end{center}%
16182   \else
16183     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
16184     {\large \TitleFont \lineskip .5em \tabcolsep\z@
16185       \def\and{%%} \begin{tabular} has already started
16186         \end{tabular}\hskip 1em plus .17fil
16187         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
16188         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par
16189       \vskip 1em {\large \TitleFont \@date}
16190     \fi
16191     \par
16192     \vskip 1.5em}
16193   \fi
16194   \renewcommand*\@regtocline[3]{%
16195     \ifnum #1>\c@tocdepth
16196     \else
16197       \vskip\z@\@plus.2\p@
16198       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
16199         \if@RTL\righskip\else\leftskip\fi\unitindent

```



```

16200 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
16201 \parfillskip\z@
16202 \@tempdima\unitindent
16203 \parindent\z@
16204 \leavevmode
16205 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
16206 \hskip 1em \nobreak{\slshape #3}\par
16207 }%
16208 \fi}
16209 \if@oldtoc
16210 \renewcommand*\l@part[2]{%
16211 \ifnum \c@tocdepth >-2\relax
16212 \addpenalty{-\@highpenalty}%
16213 \addvspace{2.25em \@plus\p@}%
16214 \begingroup
16215 \setlength\@tempdima{3em}%
16216 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16217 \parfillskip -\@pnumwidth
16218 {\leavevmode
16219 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16220 \nobreak
16221 \global\@nobreaktrue
16222 \everypar{\global\@nobreakfalse\everypar{}}}%
16223 \endgroup
16224 \fi}
16225 \else
16226 \renewcommand*\l@part{%
16227 \ifnum \c@tocdepth >-2\relax
16228 \addpenalty{-\@highpenalty}%
16229 \addvspace{2.25em \@plus\p@}%
16230 \@regtocline{0}%
16231 \fi}
16232 \fi
16233 \if@oldtoc
16234 \renewcommand*\l@chapter[2]{%
16235 \addpenalty{-\@highpenalty}%
16236 \vskip 1.0em \@plus\p@
16237 \setlength\@tempdima{1.5em}%
16238 \begingroup
16239 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16240 \parfillskip -\@pnumwidth
16241 \leavevmode \bfseries
16242 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16243 \hskip -\if@RTL\rightskip\else\leftskip\fi
16244 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16245 \penalty\@highpenalty
16246 \endgroup}
16247 \else
16248 \renewcommand*\l@chapter{\@regtocline{0}}
16249 \fi

```



```

16250 \renewcommand*\head@style{%
16251     \interlinepenalty \@M
16252     \hyphenpenalty=\@M \exhyphenpenalty=\@M
16253     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16254 \if@titlepage
16255     \renewenvironment{abstract}{%
16256         \titlepage
16257         \null\vfil
16258         \section*{\SectFont\abstractname}%
16259         \noindent\ignorespaces}
16260     {\par\vfil\null\endtitlepage}
16261 \else
16262     \renewenvironment{abstract}{%
16263         \if@twocolumn
16264             \section*{\abstractname}%
16265         \else
16266             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16267             \section*{\small\SectFont\abstractname}%
16268             \noindent\ignorespaces
16269             \fi}
16270     {\if@twocolumn\else\par\egroup\fi}
16271 \fi
16272 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16273 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16274 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16275 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16276 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16277 \renewcommand*\thefigure{%
16278     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16279 \renewcommand*\thetable{%
16280     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16281 \renewcommand*\theequation{%
16282     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16283 \renewenvironment{thebibliography}[1]
16284     {\chapter*{\bibname}%
16285         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16286         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16287         \bidi@thebibliography@font@hook%
16288         \list{\@biblabel{\@arabic\c@enumiv}}%
16289             {\settowidth\labelwidth{\@biblabel{#1}}%
16290              \leftmargin\labelwidth
16291              \advance\leftmargin\labelsep
16292              \@openbib@code
16293              \usecounter{enumiv}%
16294              \let\p@enumiv\@empty
16295              \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16296         \sloppy\clubpenalty4000\widowpenalty4000%
16297         \sfcode`\.\@m}
16298     {\def\@noitemerr
16299         {\@latex@warning{Empty `thebibliography' environment}}}%

```





```

16300 \endlist}
16301 \renewcommand*\left@footnoterule{%
16302 \kern-3\p@
16303 \kern.5\baselineskip
16304 \hrule\@width\unitindent
16305 \kern.4\baselineskip
16306 }
16307 \renewcommand*\right@footnoterule{%
16308 \kern-3\p@
16309 \kern.5\baselineskip
16310 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16311 \kern.4\baselineskip}
16312 \renewcommand*\head@style{%
16313 \interlinepenalty \@M
16314 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16315 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

## 102 File refrep-xetex-bidi.def

```

16316 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for XeLaTeX]
16317 \if@titlepage
16318 \renewcommand\maketitle{\begin{titlepage}%
16319 \let\footnotesize\small
16320 \let\right@footnoterule\relax
16321 \let\left@footnoterule\relax
16322 \let\textwidth\footnoterule\relax
16323 \let\footnote\thanks
16324 \let\LTRfootnote\LTRthanks
16325 \let\RTLfootnote\RTLthanks
16326 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16327 \def\@makefnmark%
16328 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16329 \long\def\@makefntext##1{%
16330 \setpar{\@par
16331 \tempdima = \hsize
16332 \advance\tempdima -1em
16333 \parshape \@ne 1em \tempdima}%
16334 \par\parindent 1em \noindent
16335 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\},\##1}
16336 \null\vfil
16337 \vskip 60\p@
16338 \begin{center}%
16339 {\LARGE \@title \par}%
16340 \vskip 3em%
16341 {\large
16342 \lineskip .75em%
16343 \begin{tabular}[t]{c}%
16344 \@author
16345 \end{tabular}\par}%
16346 \vskip 1.5em%

```



```

16347     {\large \@date \par}%           % Set date in \large size.
16348 \end{center}\par
16349 \@thanks
16350 \vfil\null
16351 \end{titlepage}%
16352 \setcounter{footnote}{0}%
16353 \global\let\thanks\relax
16354 \global\let\LTRthanks\relax
16355 \global\let\RTLthanks\relax
16356 \global\let\maketitle\relax
16357 \global\let\@thanks\@empty
16358 \global\let\@author\@empty
16359 \global\let\@date\@empty
16360 \global\let\@title\@empty
16361 \global\let\title\relax
16362 \global\let\author\relax
16363 \global\let\date\relax
16364 \global\let\and\relax
16365 }
16366 \else
16367 \renewcommand\maketitle{\par
16368 \begingroup
16369 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16370 \def\@makefnmark%
16371     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16372 \long\def\@makefntext##1{%
16373     \@setpar{\@par
16374         \@tempdima = \hsize
16375         \advance\@tempdima -1em
16376         \parshape \@ne 1em \@tempdima}%
16377     \par\parindent 1em \noindent
16378     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\},\##1}
16379 \if@twocolumn
16380     \ifnum \col@number=\@ne
16381         \maketitle
16382     \else
16383         \twocolumn[\@maketitle]%
16384     \fi
16385 \else
16386     \newpage
16387     \global\@topnum\z@ % Prevents figures from going at top of page.
16388     \maketitle
16389 \fi
16390 \thispagestyle{empty}\@thanks
16391 \endgroup
16392 \setcounter{footnote}{0}%
16393 \global\let\thanks\relax
16394 \global\let\LTRthanks\relax
16395 \global\let\RTLthanks\relax
16396 \global\let\maketitle\relax

```



```

16397 \global\let\@maketitle\relax
16398 \global\let\@thanks\@empty
16399 \global\let\@author\@empty
16400 \global\let\@date\@empty
16401 \global\let\@title\@empty
16402 \global\let\title\relax
16403 \global\let\author\relax
16404 \global\let\date\relax
16405 \global\let\and\relax
16406 }
16407 \def\@maketitle{%
16408   \newpage
16409   \null
16410   \longthickrule\vskip1.5em%
16411   \let \footnote \thanks
16412   \let \LTRfootnote \LTRthanks
16413   \let \RTLfootnote \RTLthanks
16414   {\secshape \parskip\z@ \parindent\z@
16415   \Large\bfseries \@title \par}%
16416   \vskip1.5em\longthickrule\vskip1.5em%
16417   {\normalsize
16418     \lineskip .5em%
16419     \begin{flushright}%
16420       {\slshape\@author\par}
16421       \vskip 1em%
16422       {\@date}%
16423     \end{flushright}\par}%
16424   \vskip 1.5em}
16425 \fi
16426 \renewcommand*\l@part[2]{%
16427   \ifnum \c@tocdepth >-2\relax
16428     \addpenalty{-\@highpenalty}%
16429     \addvspace{2.25em \@plus\p@}%
16430     \begingroup
16431       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16432       \parfillskip -\@pnumwidth
16433       {\leavevmode
16434         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16435       \nobreak
16436       \global\@nobreaktrue
16437       \everypar{\global\@nobreakfalse\everypar{}}%
16438     \endgroup
16439   \fi}
16440 \renewcommand*\l@chapter[2]{%
16441   \ifnum \c@tocdepth >\m@ne
16442     \addpenalty{-\@highpenalty}%
16443     \vskip 1.0em \@plus\p@
16444     \setlength\@tempdima{1.5em}%
16445     \begingroup
16446     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

16447 \parfillskip -\@pnumwidth
16448 \leavevmode \bfseries
16449 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16450 \hskip -\if@RTL\rightskip\else\leftskip\fi
16451 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16452 \penalty\@highpenalty
16453 \endgroup
16454 \fi}
16455 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16456 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16457 \hyphenpenalty=2000}
16458 \renewcommand\left@footnoterule{%
16459 \kern-3\p@
16460 \hrule\@width.4\columnwidth
16461 \kern 2.6\p@}
16462 \renewcommand\right@footnoterule{%
16463 \kern-3\p@
16464 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16465 \kern2.6\p@}
16466 \renewcommand\theequation
16467 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16468 \renewcommand\thefigure
16469 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16470 \renewcommand\thetable%
16471 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16472 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16473 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
16474 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\csubsubsection}
16475 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16476 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
16477 \renewenvironment{thebibliography}[1]
16478 {\chapter*\bibname
16479 \@mkboth{\bibname}{\bibname}}%
16480 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16481 \bidi@thebibliography@font@hook%
16482 \list{\@biblabel{\@arabic\c@enumiv}}%
16483 {\settowidth\labelwidth{\@biblabel{#1}}%
16484 \leftmargin\labelwidth
16485 \advance\leftmargin\labelsep
16486 \@openbib@code
16487 \usecounter{enumiv}%
16488 \let\p@enumiv\@empty
16489 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16490 \sloppy
16491 \clubpenalty4000
16492 \@clubpenalty \clubpenalty
16493 \widowpenalty4000%
16494 \sfcode`\.=\@m}
16495 {\def\@noitemerr
16496 {\@latex@warning{Empty `thebibliography' environment}}}%

```



16497       \endlist}

## 103   File report-xetex-bidi.def

```
16498 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16499 \renewenvironment{theindex}
16500       {\if@twocolumn
16501        \@restonecolfalse
16502        \else
16503        \@restonecoltrue
16504        \fi
16505        \columnseprule \z@
16506        \columnsep 35\p@
16507        \twocolumn[\@makeschapterhead{\indexname}]%
16508        \@mkboth{\MakeUppercase\indexname}%
16509        {\MakeUppercase\indexname}%
16510        \thispagestyle{plain}\parindent\z@
16511        \parskip\z@ \@plus .3\p@\relax
16512        \let\item\@idxitem}
16513        {\if@restonecol\onecolumn\else\clearpage\fi}
16514 \if@titlepage
16515 \renewcommand\maketitle{\begin{titlepage}%
16516 \let\footnotesize\small
16517 \let\right@footnoterule\relax
16518 \let\left@footnoterule\relax
16519 \let\textwidth\footnoterule\relax
16520 \let \footnote \thanks
16521 \let \LTRfootnote \LTRthanks
16522 \let \RTLfootnote \RTLthanks
16523 \null\vfil
16524 \vskip 60\p@
16525 \begin{center}%
16526   {\LARGE \@title \par}%
16527   \vskip 3em%
16528   {\large
16529    \lineskip .75em%
16530    \begin{tabular}[t]{c}%
16531      \@author
16532    \end{tabular}\par}%
16533   \vskip 1.5em%
16534   {\large \@date \par}%       % Set date in \large size.
16535 \end{center}\par
16536 \@thanks
16537 \vfil\null
16538 \end{titlepage}%
16539 \setcounter{footnote}{0}%
16540 \global\let\thanks\relax
16541 \global\let\LTRthanks\relax
16542 \global\let\RTLthanks\relax
16543 \global\let\maketitle\relax
```



```

16544 \global\let\@thanks\@empty
16545 \global\let\@author\@empty
16546 \global\let\@date\@empty
16547 \global\let\@title\@empty
16548 \global\let\title\relax
16549 \global\let\author\relax
16550 \global\let\date\relax
16551 \global\let\and\relax
16552 }
16553 \else
16554 \renewcommand\maketitle{\par
16555 \begingroup
16556 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16557 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16558 \long\def\@makefntext##1{\parindent 1em\noindent
16559 \hb@xt@1.8em{%
16560 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16561 \if@twocolumn
16562 \ifnum \col@number=\@ne
16563 \@maketitle
16564 \else
16565 \twocolumn[\@maketitle]%
16566 \fi
16567 \else
16568 \newpage
16569 \global\@topnum\z@ % Prevents figures from going at top of page.
16570 \@maketitle
16571 \fi
16572 \thispagestyle{plain}\@thanks
16573 \endgroup
16574 \setcounter{footnote}{0}%
16575 \global\let\thanks\relax
16576 \global\let\LTRthanks\relax
16577 \global\let\RTLthanks\relax
16578 \global\let\maketitle\relax
16579 \global\let\@maketitle\relax
16580 \global\let\@thanks\@empty
16581 \global\let\@author\@empty
16582 \global\let\@date\@empty
16583 \global\let\@title\@empty
16584 \global\let\title\relax
16585 \global\let\author\relax
16586 \global\let\date\relax
16587 \global\let\and\relax
16588 }
16589 \def\@maketitle{%
16590 \newpage
16591 \null
16592 \vskip 2em%
16593 \begin{center}%

```



```

16594 \let \footnote \thanks
16595 \let \LTRfootnote \LTRthanks
16596 \let \RTLfootnote \RTLthanks
16597 {\LARGE \@title \par}%
16598 \vskip 1.5em%
16599 {\large
16600 \lineskip .5em%
16601 \begin{tabular}[t]{c}%
16602 \@author
16603 \end{tabular}\par}%
16604 \vskip 1em%
16605 {\large \@date}%
16606 \end{center}%
16607 \par
16608 \vskip 1.5em}
16609 \fi
16610 \renewcommand*{\l@part[2]{%
16611 \ifnum \c@tocdepth >-2\relax
16612 \addpenalty{-\@highpenalty}%
16613 \addvspace{2.25em \@plus\p@}%
16614 \setlength\@tempdima{3em}%
16615 \begingroup
16616 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16617 \parfillskip -\@pnumwidth
16618 {\leavevmode
16619 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16620 \nobreak
16621 \global\@nobreaktrue
16622 \everypar{\global\@nobreakfalse\everypar{}}%
16623 \endgroup
16624 \fi}
16625 \renewcommand*{\l@chapter[2]{%
16626 \ifnum \c@tocdepth >\m@ne
16627 \addpenalty{-\@highpenalty}%
16628 \vskip 1.0em \@plus\p@
16629 \setlength\@tempdima{1.5em}%
16630 \begingroup
16631 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16632 \parfillskip -\@pnumwidth
16633 \leavevmode \bfseries
16634 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16635 \hskip -\if@RTL\rightskip\else\leftskip\fi
16636 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16637 \penalty\@highpenalty
16638 \endgroup
16639 \fi}
16640 \renewcommand\left@footnoterule{%
16641 \kern-3\p@
16642 \hrule\@width.4\columnwidth
16643 \kern2.6\p@}

```



```

16644 \renewcommand\right@footnoterule{%
16645   \kern-3\p@
16646   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16647   \kern2.6\p@}
16648 \renewcommand\theequation
16649   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16650 \renewcommand \thefigure
16651   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16652 \renewcommand \thetable
16653   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16654 \renewcommand \thechapter {\@arabic\c@chapter}
16655 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16656 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16657 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16658 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
16659 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
16660 \def\@makechapterhead#1{%
16661   \vspace*{50\p@}%
16662   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16663     \ifnum \c@secnumdepth >\m@ne
16664       \huge\bfseries \@chapapp\space \thechapter
16665       \par\nobreak
16666       \vskip 20\p@
16667     \fi
16668     \interlinepenalty\@M
16669     \Huge \bfseries #1\par\nobreak
16670     \vskip 40\p@
16671   }}
16672 \def\@makeschapterhead#1{%
16673   \vspace*{50\p@}%
16674   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16675     \normalfont
16676     \interlinepenalty\@M
16677     \Huge \bfseries #1\par\nobreak
16678     \vskip 40\p@
16679   }}
16680 \renewenvironment{thebibliography}[1]
16681   {\chapter*{\bibname}%
16682     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16683     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16684     \bidi@thebibliography@font@hook%
16685     \list{\@biblabel{\@arabic\c@enumiv}}%
16686       {\settowidth\labelwidth{\@biblabel{#1}}%
16687         \leftmargin\labelwidth
16688         \advance\leftmargin\labelsep
16689         \@openbib@code
16690         \usecounter{enumiv}%
16691         \let\p@enumiv\@empty
16692         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16693     \sloppy

```





```

16694 \clubpenalty4000
16695 \@clubpenalty \clubpenalty
16696 \widowpenalty4000%
16697 \sfcode`\.\@m}
16698 {\def\@noitemerr
16699 {\@latex@warning{Empty `thebibliography' environment}}}%
16700 \endlist}

```

## 104 File rotating-xetex-bidi.def

```

16701 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16702 \def\end@rotfloat{%
16703 \end{minipage}\end{lrbox}%
16704 \stepcounter{r@tfl@t}%
16705 \rot@label{RF\ther@tfl@t}%
16706 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16707 \edef\@tempa{Adding sideways \@captive\space on page \R@@page\space}
16708 \rot@mess@toks\expandafter{\@tempa}
16709 \wd\rot@float@box\z@
16710 \ht\rot@float@box\z@
16711 \dp\rot@float@box\z@
16712 \vboxL to \textheight{%
16713 \setkeys{Grot}{units=360}}%
16714 \if@rot@twoside
16715 \else
16716 \let\R@@page\rot@LR
16717 \fi
16718 \ifthenelse{\isodd{\R@@page}}{%
16719 \if@rot@twoside
16720 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16721 \fi
16722 \vfill
16723 \@@line{%
16724 \hskip\rotFPtop
16725 \rotatebox{90}{\box\rot@float@box}%
16726 \hskip\rotFPbot
16727 }%
16728 }{%
16729 \if@rot@twoside
16730 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16731 \fi
16732 \@@line{%
16733 \hskip\rotFPbot
16734 \rotatebox{-90}{\box\rot@float@box}%
16735 \hskip\rotFPtop
16736 }%
16737 \vfill
16738 }%
16739 \rot@message{\the\rot@mess@toks}
16740 }%

```



```

16741 \end@float
16742 }
16743 \let\endsidewaysfigure\end@rotfloat
16744 \let\endsidewaysstable\end@rotfloat
16745 \def\end@rotdblfloat{%
16746   \end{minipage}\end{lrbox}%
16747   \stepcounter{r@tfl@t}%
16748   \rot@label{RF\ther@tfl@t}%
16749   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16750   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16751   \rot@mess@toks\expandafter{\@tempa}
16752   \@tempdima\ht\rot@float@box
16753   \advance\@tempdima by \dp\rot@float@box
16754   \wd\rot@float@box\z@
16755   \ht\rot@float@box\z@
16756   \dp\rot@float@box\z@
16757   \vboxL to \textheight{%
16758     \setkeys{Grot}{units=360}%
16759     \ifrot@twoside
16760     \else
16761       \let\R@@page\rot@LR
16762     \fi
16763     \ifthenelse{\isodd{\R@@page}}{%
16764       \ifrot@messages
16765       \ifrot@twoside
16766       \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16767     \fi
16768     \fi
16769     \vfill
16770     @@line{%
16771       \hskip\rotFPtop
16772       \rotatebox{90}{\box\rot@float@box}%
16773       \hskip\rotFPbot
16774     }%
16775   }%
16776   \ifrot@messages
16777   \ifrot@twoside
16778   \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16779 \fi
16780 \fi%
16781 @@line{%
16782   \hskip\rotFPbot
16783   \rotatebox{-90}{\box\rot@float@box}%
16784   \hskip\rotFPtop
16785 }%
16786 \vfill
16787 }%
16788 \rot@message{\the\rot@mess@toks}%
16789 }%
16790 \end@dblfloat

```



```

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

```

## 105 File scrartcl-xetex-bidi.def

```

16830 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16831 \newcommand{\scr@saved@LTRfootnotetext}{}
16832 \newcommand{\scr@saved@RTLfootnotetext}{}
16833 \let\scr@saved@footnotetext\@footnotetext
16834 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16835 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16836 \renewcommand{\@footnotetext}[1]{%
16837   \scr@saved@footnotetext{#1}%

```



```

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

```



```

16888 \renewcommand*\maketitle[1][1]{%
16889   \if@titlepage
16890     \begin{titlepage}
16891       \setcounter{page}{%
16892         #1%
16893       }%
16894       \let\footnotesize\small
16895       \let\right@footnoterule\relax
16896       \let\left@footnoterule\relax
16897       \let\textwidth\footnoterule\relax
16898       \let\footnote\thanks
16899       \let\LTRfootnote\LTRthanks
16900       \let\RTLfootnote\RTLthanks
16901       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16902       \let\@oldmakefnmark\@makefnmark
16903       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16904       \ifx\@extratitle\@empty \else
16905         \noindent\@extratitle\next@tpage\cleardoubleemptypage
16906         \thispagestyle{empty}%
16907       \fi
16908       \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
16909       \ifx\@titlehead\@empty \else
16910         \begin{minipage}[t]{\textwidth}%
16911           \@titlehead
16912         \end{minipage}\par
16913       \fi
16914       \null\vfill
16915       \begin{center}
16916         \ifx\@subject\@empty \else
16917           {\subject@font \@subject \par}%
16918           \vskip 3em
16919         \fi
16920         {\titlefont\huge \@title\par}%
16921         \vskip 1em
16922         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16923         \vskip 2em
16924         {\Large \lineskip 0.75em
16925           \begin{tabular}[t]{c}
16926             \@author
16927           \end{tabular}\par
16928         }%
16929         \vskip 1.5em
16930         {\Large \@date \par}%
16931         \vskip \z@ \@plus 3fill
16932         {\Large \@publishers \par}%
16933         \vskip 3em
16934       \end{center}\par
16935       \@thanks
16936       \vfill\null
16937       \if@twoside\next@tpage

```



```

16938     \begin{minipage}[t]{\textwidth}
16939         \@uppertitleback
16940     \end{minipage}\par
16941     \vfill
16942     \begin{minipage}[b]{\textwidth}
16943         \@lowertitleback
16944     \end{minipage}
16945 \fi
16946 \ifx\@dedication\@empty \else
16947     \next@tpage\null\vfill
16948     {\centering \Large \@dedication \par}%
16949     \vskip \z@ \@plus3fill
16950     \if@twoside \next@tpage\cleardoubleemptypage \fi
16951 \fi
16952 \end{titlepage}
16953 \else
16954     \par
16955     \@tempcnta=%
16956     #1%
16957     \relax\ifnum\@tempcnta=1\else
16958         \ClassWarning{\KOMAClassName}{%
16959             Optional argument of \string\maketitle\space ignored
16960             at\MessageBreak
16961             notitlepage-mode%
16962         }%
16963     \fi
16964     \begin{group}
16965         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16966         \let\oldmakefnmark\makefnmark
16967         \renewcommand*\@makefnmark{\rlap\oldmakefnmark}
16968         \if@twocolumn
16969             \ifnum \col@number=\@one
16970                 \@maketitle
16971             \else
16972                 \twocolumn[\@maketitle]%
16973             \fi
16974         \else
16975             \newpage
16976             \global\@topnum\z@
16977             \@maketitle
16978         \fi
16979         \thispagestyle{\titlepagestyle}\@thanks
16980     \end{group}
16981 \fi
16982 \setcounter{footnote}{0}%
16983 \let\thanks\relax
16984 \let\LTRthanks\relax
16985 \let\RTLthanks\relax
16986 \let\maketitle\relax
16987 \let\@maketitle\relax

```



```

16988 \global\let\@thanks\@empty
16989 \global\let\@author\@empty
16990 \global\let\@date\@empty
16991 \global\let\@title\@empty
16992 \global\let\@subtitle\@empty
16993 \global\let\@extratitle\@empty
16994 \global\let\@titlehead\@empty
16995 \global\let\@subject\@empty
16996 \global\let\@publishers\@empty
16997 \global\let\@uppertitleback\@empty
16998 \global\let\@lowertitleback\@empty
16999 \global\let\@dedication\@empty
17000 \global\let\author\relax
17001 \global\let\title\relax
17002 \global\let\extratitle\relax
17003 \global\let\titlehead\relax
17004 \global\let\subject\relax
17005 \global\let\publishers\relax
17006 \global\let\uppertitleback\relax
17007 \global\let\lowertitleback\relax
17008 \global\let\dedication\relax
17009 \global\let\date\relax
17010 \global\let\and\relax
17011 }%
17012 \renewcommand*{\@maketitle}{%
17013   \clearpage
17014   \let\footnote\thanks
17015   \let\LTRfootnote\LTRthanks
17016   \let\RTLfootnote\RTLthanks
17017   \ifx\@extratitle\@empty \else
17018     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17019   \fi
17020   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17021   \ifx\@titlehead\@empty \else
17022     \begin{minipage}[t]{\textwidth}
17023       \@titlehead
17024     \end{minipage}\par
17025   \fi
17026   \null
17027   \vskip 2em%
17028   \begin{center}%
17029     \ifx\@subject\@empty \else
17030       {\subject@font \@subject \par}
17031       \vskip 1.5em
17032     \fi
17033     {\titlefont\huge \@title \par}%
17034     \vskip .5em
17035     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17036     \vskip 1em
17037     {\Large

```



```

17038     \lineskip .5em%
17039     \begin{tabular}[t]{c}
17040         \@author
17041     \end{tabular}\par
17042 }%
17043 \vskip 1em%
17044 {\Large \@date \par}%
17045 \vskip \z@ \@plus 1em
17046 {\Large \@publishers \par}
17047 \ifx\@dedication\@empty \else
17048     \vskip 2em
17049     {\Large \@dedication \par}
17050 \fi
17051 \end{center}%
17052 \par
17053 \vskip 2em
17054 }%
17055 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17056 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
17057 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17058 \renewcommand*\thesubsection{\thesecnum\@SepMark\@arabic\c@section}
17059 \renewcommand*\thesubsubsection{\fi}
17060 \thesubsection\@SepMark\@arabic\c@subsubsection
17061 }
17062 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17063 \renewcommand*\thesubparagraph{\fi}
17064 \theparagraph\@SepMark\@arabic\c@subparagraph
17065 }
17066 \renewenvironment{thebibliography}[1]{%
17067     \if@bib@break@
17068         \bib@beginhook
17069     \else
17070         \bib@heading
17071         \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17072             \noindent\bibpreamble\par\nobreak
17073         \fi\fi
17074         \bib@beginhook
17075         \bib@before@hook
17076     \fi
17077     \renewcommand{\BreakBibliography}[1]{%
17078         \@bib@break
17079         \end{thebibliography}%
17080         \begingroup ##1\endgroup
17081         \begin{thebibliography}{#1}
17082     }%
17083     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17084     \bidi@thebibliography@font@hook%
17085     \list{}%
17086     \biblabel{\@arabic\c@enumiv}%
17087 }{}%

```





```

17088 \settowidth\labelwidth{\@biblabel{#1}}%
17089 \leftmargin\labelwidth
17090 \advance\leftmargin\labelsep
17091 \@openbib@code
17092 \if@bib@break@
17093   \edef\@tempa{%
17094     \noexpand\usecounter{enumiv}%
17095     \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17096   }\@tempa
17097   \no@bib@break
17098 \else
17099   \usecounter{enumiv}%
17100 \fi
17101 \let\p@enumiv\@empty
17102 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17103 }%
17104 \sloppy\clubpenalty4000 \widowpenalty4000
17105 \sfcode`\.=\@m
17106 }{%
17107 \if@bib@break@
17108   \def\@noitemerr{%
17109     \@latex@warning{%
17110       \string\BreakBibliography\space at begin of `thebibliography'
17111       environment\MessageBreak
17112       or following \string\BreakBibliography}%
17113   }%
17114 \else
17115   \def\@noitemerr{%
17116     \@latex@warning{%
17117       Empty `thebibliography' environment or
17118       \string\BreakBibliography\MessageBreak
17119       before end of `thebibliography' environment}%
17120   }%
17121 \fi
17122 \endlist
17123 \if@bib@break@
17124 \else
17125   \bib@after@hook
17126   \let\bib@before@hook\@empty
17127   \let\bib@after@hook\@empty
17128 \fi
17129 \bib@endhook
17130 }
17131 \renewcommand*\left@footnoterule{%
17132   \kern-3\p@
17133   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17134   \hrule\@width.4\columnwidth
17135   \kern 2.6\p@}
17136 \renewcommand*\right@footnoterule{%
17137   \kern-3\p@

```



```

17138 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17139 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17140 \kern2.6\p@}
17141 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17142 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17143 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17144 \renewcommand\marginline[1]{%
17145 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17146 }
17147 \renewcommand{\@makecaption}[3]{%
17148 \cap@margin
17149 \ifonelinecaptions
17150 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17151 \let\scr@tmp@footnotetext=\@footnotetext
17152 \let\@footnotetext=\@gobble
17153 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17154 \let\@LTRfootnotetext=\@gobble
17155 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17156 \let\@RTLfootnotetext=\@gobble
17157 \sbox\@tempboxa{%
17158 {\capfont{\strut\ignorespaces
17159 #1{\caplabelfont{#2\captionformat}}}%
17160 #3\unskip\strut}}%
17161 }%
17162 \let\@footnotetext=\scr@tmp@footnotetext
17163 \let\scr@tmp@footnotetext=\undefined
17164 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17165 \let\scr@tmp@LTRfootnotetext=\undefined
17166 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17167 \let\scr@tmp@RTLfootnotetext=\undefined
17168 \setcounter{footnote}{\@tempcntb}%
17169 \setcounter{mpfootnote}{\@tempcnta}%
17170 \else
17171 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17172 \fi
17173 \begingroup%
17174 \setlength{\@tempdima}{\cap@width}%
17175 \ifdim \wd\@tempboxa >\@tempdima
17176 \hb@xt@\hsize{%
17177 \setbox\@tempboxa\vbox{\hsize=\cap@width
17178 \ifdofullc@p
17179 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17180 #1{\caplabelfont{#2\captionformat}}}}}%
17181 {\#3\unskip\strut\par}}}%
17182 \else%
17183 \ifdim\cap@indent<\z@
17184 {\capfont{\strut\ignorespaces
17185 #1{\caplabelfont{#2\captionformat\par}}}%
17186 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
17187 \else%

```



```

17188         \if@capbreak
17189             {\capfont{\strut\ignorespaces
17190                 #1{\caplabelfont{#2\captionformat\par}}}%
17191                 \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17192         \else
17193             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17194                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17195                 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17196         \fi
17197     \fi
17198     \fi
17199     }%
17200     \setlength{\@tempdima}{\ht\@tempboxa}%
17201     \addtolength{\@tempdima}{\dp\@tempboxa}%
17202     \addtolength{\@tempdima}{-\ht\strutbox}%
17203     \ht\@tempboxa\ht\strutbox
17204     \dp\@tempboxa\@tempdima
17205     \strut\cap@left
17206     \box\@tempboxa
17207     \cap@right\strut
17208     }%
17209     \else
17210         \global \@minipagefalse
17211         \sbox\@tempboxa{%
17212             {\capfont{\scr@smashdp{\strut\ignorespaces
17213                 #1{\caplabelfont{#2\captionformat}}}}}%
17214             #3}%
17215         }%
17216         {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}}%
17217     \fi
17218 \endgroup
17219 }
17220 \renewcommand{\@makecaption}[2]{%
17221     \if@captionabove
17222         \vskip\belowcaptionskip
17223     \else
17224         \vskip\abovecaptionskip
17225     \fi
17226     @@makecaption\@firstofone{#1}{#2}%
17227     \if@captionabove
17228         \vskip\abovecaptionskip
17229     \else
17230         \vskip\belowcaptionskip
17231     \fi
17232 }
17233 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17234     \@ifpackageloaded{caption2}{\@komalongtablefalse
17235         \scr@caption@before@longtable@warning{caption2}%
17236     }{}%
17237     \if@komalongtable

```



```

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

```



```

17288 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17289   \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17290 \expandafter\renewcommand\expandafter*%
17291 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17292 }
17293
17294 \CloneTOCEntryStyle{tocline}{section}
17295 \TOCEntryStyleStartInitCode{section}{%
17296   \expandafter\renewcommand%
17297   \csname scr@tso@#1@linefill\endcsname{%
17298     \if@sectionentrywithdots
17299       \TOCLineLeaderFill\relax
17300     \else
17301       \hfill
17302     \fi
17303   }%
17304   % F^~fcr die Eintr~e4ge die Schrift von Element sectionentry verwenden.
17305   \expandafter\renewcommand%
17306   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
17307   \expandafter\renewcommand%
17308   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
17309   \expandafter\renewcommand\expandafter*%
17310   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17311 }
17312
17313 \CloneTOCEntryStyle{tocline}{subsection}
17314 \TOCEntryStyleStartInitCode{subsection}{%
17315   \expandafter\renewcommand%
17316   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17317 }
17318
17319 \CloneTOCEntryStyle{subsection}{default}
17320
17321 \DeclareSectionCommand[%
17322   style=part,%
17323   level=\z@,%
17324   tocstyle=part,%
17325   toclevel=\m@ne,%
17326   tocindent=\z@,%
17327   tocnumwidth=2em%
17328 ]{part}
17329 \DeclareSectionCommand[%
17330   style=section,%
17331   level=1,%
17332   indent=\z@,%
17333   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17334   afterskip=2.3ex \@plus .2ex,%
17335   tocstyle=section,%
17336   tocindent=0pt,%
17337   tocnumwidth=1.5em%

```



```

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

```

## 106 File scrbook-xetex-bidi.def

```

17379\ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for ]
17380\newcommand{\scr@saved@LTRfootnotetext}{}
17381\newcommand{\scr@saved@RTLfootnotetext}{}
17382\let\scr@saved@footnotetext\@footnotetext
17383\let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17384\let\scr@saved@RTLfootnotetext\@RTLfootnotetext

```



```

17385 \renewcommand{\@footnotetext}[1]{%
17386   \scr@saved@footnotetext{#1}%
17387   \csname FN@mf@prepare\endcsname
17388 }
17389 \renewcommand{\@LTRfootnotetext}[1]{%
17390   \scr@saved@LTRfootnotetext{#1}%
17391   \csname FN@mf@prepare\endcsname
17392 }
17393 \renewcommand{\@RTLfootnotetext}[1]{%
17394   \scr@saved@RTLfootnotetext{#1}%
17395   \csname FN@mf@prepare\endcsname
17396 }
17397 \renewcommand\deffootnote[4][1]{%
17398   \long\def\@makefnmark##1{%
17399     \setlength{\@tempdimc}{#3}%
17400     \def\@tempa{#1}\ifx\@tempa\@empty
17401       \@setpar{\@par
17402         \@tempdima = \hspace
17403         \addtolength{\@tempdima}{-#2}%
17404         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17405       \else
17406         \addtolength{\@tempdimc}{#2}%
17407         \addtolength{\@tempdimc}{-#1}%
17408         \@setpar{\@par
17409           \@tempdima = \hspace
17410           \addtolength{\@tempdima}{-#1}%
17411           \@tempdimb = \hspace
17412           \addtolength{\@tempdimb}{-#2}%
17413           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17414         }%
17415       \fi
17416       \par
17417       \parindent\@tempdimc\noindent
17418       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17419     }%
17420     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17421 }
17422 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17423 \renewcommand*\left@footnoterule{%
17424   \normalsize\ftn@rule@test@values
17425   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
17426   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17427   {\usekomafont{footnoterule}{%
17428     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17429   \kern 2.6\p@}
17430 \renewcommand*\right@footnoterule{%
17431   \normalsize\ftn@rule@test@values
17432   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
17433   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17434   {\usekomafont{footnoterule}{%

```



```

17435     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17436     \kern 2.6\p@}
17437 \renewcommand*\maketitle[1][1]{%
17438   \if@titlepage
17439     \begin{titlepage}
17440       \setcounter{page}{%
17441         #1%
17442       }%
17443       \let\footnotesize\small
17444       \let\right@footnoterule\relax
17445       \let\left@footnoterule\relax
17446       \let\textwidth@footnoterule\relax
17447       \let\footnote\thanks
17448       \let\LTRfootnote\LTRthanks
17449       \let\RTLfootnote\RTLthanks
17450       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17451       \let\@oldmakefnmark\@makefnmark
17452       \renewcommand*\@makefnmark{\@makefnmark}{\rlap\@oldmakefnmark}%
17453       \ifx\@extratitle\@empty \else
17454         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17455         \thispagestyle{empty}%
17456       \fi
17457       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17458       \ifx\@titlehead\@empty \else
17459         \begin{minipage}[t]{\textwidth}%
17460           \@titlehead
17461         \end{minipage}\par
17462       \fi
17463       \null\vfill
17464       \begin{center}
17465         \ifx\@subject\@empty \else
17466           {\subject@font \@subject \par}%
17467           \vskip 3em
17468         \fi
17469         {\titlefont\huge \@title\par}%
17470         \vskip 1em
17471         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17472         \vskip 2em
17473         {\Large \lineskip 0.75em
17474           \begin{tabular}[t]{c}
17475             \@author
17476           \end{tabular}\par
17477         }%
17478         \vskip 1.5em
17479         {\Large \@date \par}%
17480         \vskip \z@ \@plus3fill
17481         {\Large \@publishers \par}%
17482         \vskip 3em
17483       \end{center}\par
17484       \@thanks

```





```

17485 \vfill\null
17486 \if@twoside\next@tpage
17487 \begin{minipage}[t]{\textwidth}
17488 \@uppertitleback
17489 \end{minipage}\par
17490 \vfill
17491 \begin{minipage}[b]{\textwidth}
17492 \@lowertitleback
17493 \end{minipage}
17494 \fi
17495 \ifx\@dedication\@empty \else
17496 \next@tpage\null\vfill
17497 {\centering \Large \@dedication \par}%
17498 \vskip \z@ \@plus3fill
17499 \if@twoside \next@tpage\cleardoubleemptypage \fi
17500 \fi
17501 \end{titlepage}
17502 \else
17503 \par
17504 \@tempcnta=%
17505 #1%
17506 \relax\ifnum\@tempcnta=1\else
17507 \ClassWarning{KOMAClassName}{%
17508 Optional argument of \string\maketitle\space ignored
17509 at\MessageBreak
17510 notitlepage-mode%
17511 }%
17512 \fi
17513 \begingroup
17514 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17515 \let\@oldmakefnmark\@makefnmark
17516 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17517 \if@twocolumn
17518 \ifnum \col@number=\@ne
17519 \@maketitle
17520 \else
17521 \twocolumn[\@maketitle]%
17522 \fi
17523 \else
17524 \newpage
17525 \global\@topnum\z@
17526 \@maketitle
17527 \fi
17528 \thispagestyle{\titlepagestyle}\@thanks
17529 \endgroup
17530 \fi
17531 \setcounter{footnote}{0}%
17532 \let\thanks\relax
17533 \let\LTrthanks\relax
17534 \let\RTLthanks\relax

```



```

17535 \let\maketitle\relax
17536 \let\@maketitle\relax
17537 \global\let\@thanks\@empty
17538 \global\let\@author\@empty
17539 \global\let\@date\@empty
17540 \global\let\@title\@empty
17541 \global\let\@subtitle\@empty
17542 \global\let\@extratitle\@empty
17543 \global\let\@titlehead\@empty
17544 \global\let\@subject\@empty
17545 \global\let\@publishers\@empty
17546 \global\let\@uppertitleback\@empty
17547 \global\let\@lowertitleback\@empty
17548 \global\let\@dedication\@empty
17549 \global\let\author\relax
17550 \global\let\title\relax
17551 \global\let\extratitle\relax
17552 \global\let\titlehead\relax
17553 \global\let\subject\relax
17554 \global\let\publishers\relax
17555 \global\let\uppertitleback\relax
17556 \global\let\lowertitleback\relax
17557 \global\let\dedication\relax
17558 \global\let\date\relax
17559 \global\let\and\relax
17560 }%
17561 \renewcommand*{\@maketitle}{%
17562 \clearpage
17563 \let\footnote\thanks
17564 \let\LTRfootnote\LTRthanks
17565 \let\RTLfootnote\RTLthanks
17566 \ifx\@extratitle\@empty \else
17567 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17568 \fi
17569 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17570 \ifx\@titlehead\@empty \else
17571 \begin{minipage}[t]{\textwidth}
17572 \@titlehead
17573 \end{minipage}\par
17574 \fi
17575 \null
17576 \vskip 2em%
17577 \begin{center}%
17578 \ifx\@subject\@empty \else
17579 {\subject@font \@subject \par}
17580 \vskip 1.5em
17581 \fi
17582 {\titlefont\huge \@title \par}%
17583 \vskip .5em
17584 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%

```



```

17585 \vskip 1em
17586 {\Large
17587 \lineskip .5em%
17588 \begin{tabular}[t]{c}
17589 \@author
17590 \end{tabular}\par
17591 }%
17592 \vskip 1em%
17593 {\Large \@date \par}%
17594 \vskip \z@ \@plus 1em
17595 {\Large \@publishers \par}
17596 \ifx\@dedication\@empty \else
17597 \vskip 2em
17598 {\Large \@dedication \par}
17599 \fi
17600 \end{center}%
17601 \par
17602 \vskip 2em
17603 }%
17604 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17605 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17606 \renewcommand*\thesection{%
17607 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17608 \if@mainmatter\thechapter\@SepMark\fi
17609 \else
17610 \thechapter\@SepMark%
17611 \fi
17612 \@arabic\c@section
17613 }
17614 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17615 \renewcommand*{\thesubsubsection}{%
17616 \thesubsection\@SepMark\@arabic\c@subsubsection
17617 }
17618 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17619 \renewcommand*{\thesubparagraph}{%
17620 \theparagraph\@SepMark\@arabic\c@subparagraph
17621 }
17622 \renewcommand*\thefigure{%
17623 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17624 \if@mainmatter\thechapter\@SepMark\fi
17625 \else
17626 \thechapter\@SepMark%
17627 \fi
17628 \@arabic\c@figure
17629 }
17630 \renewcommand*\thetable{%
17631 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17632 \if@mainmatter\thechapter\@SepMark\fi
17633 \else
17634 \thechapter\@SepMark%

```



```

17635 \fi
17636 \@arabic\c@table
17637 }
17638 \renewcommand*\theequation{%
17639 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17640 \if@mainmatter\thechapter\@SepMark\fi
17641 \else
17642 \thechapter\@SepMark%
17643 \fi
17644 \@arabic\c@equation
17645 }
17646 \renewenvironment{thebibliography}[1]{%
17647 \if@bib@break@
17648 \bib@beginhook
17649 \else
17650 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17651 \setchapterpreamble{\bibpreamble}%
17652 \fi\fi
17653 \bib@heading
17654 \bib@beginhook
17655 \bib@before@hook
17656 \fi
17657 \renewcommand{\BreakBibliography}[1]{%
17658 \@bib@break
17659 \end{thebibliography}%
17660 \begingroup ##1\endgroup
17661 \begin{thebibliography}{#1}
17662 }%
17663 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17664 \bidi@thebibliography@font@hook%
17665 \list{%
17666 \@biblabel{\@arabic\c@enumiv}%
17667 }{%
17668 \settowidth\labelwidth{\@biblabel{#1}}%
17669 \leftmargin\labelwidth
17670 \advance\leftmargin\labelsep
17671 \@openbib@code
17672 \if@bib@break@
17673 \edef\@tempa{%
17674 \noexpand\usecounter{enumiv}%
17675 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17676 }\@tempa
17677 \no@bib@break
17678 \else
17679 \usecounter{enumiv}%
17680 \fi
17681 \let\p@enumiv\@empty
17682 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17683 }%
17684 \sloppy\clubpenalty4000 \widowpenalty4000

```



```

17685 \sfcode`\.=\@m
17686 }{%
17687 \if@bib@break@
17688 \def\@noitemerr{%
17689 \latex@warning{%
17690 \string\BreakBibliography\space at begin of `thebibliography'
17691 environment\MessageBreak
17692 or following \string\BreakBibliography}%
17693 }%
17694 \else
17695 \def\@noitemerr{%
17696 \latex@warning{%
17697 Empty `thebibliography' environment or
17698 \string\BreakBibliography\MessageBreak
17699 before end of `thebibliography' environment}%
17700 }%
17701 \fi
17702 \endlist
17703 \if@bib@break@
17704 \else
17705 \bib@after@hook
17706 \let\bib@before@hook\@empty
17707 \let\bib@after@hook\@empty
17708 \fi
17709 \bib@endhook
17710 }
17711 \renewcommand*\left@footnoterule{%
17712 \kern-3\p@
17713 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17714 \hrule\@width.4\columnwidth
17715 \kern 2.6\p@}
17716 \renewcommand*\right@footnoterule{%
17717 \kern-3\p@
17718 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17719 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17720 \kern2.6\p@}
17721 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17722 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17723 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17724 \renewcommand\marginline[1]{%
17725 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17726 }
17727 \renewcommand{\@@makecaption}[3]{%
17728 \cap@margin
17729 \ifonelinecaptions
17730 \tempcnta=\value{mpfootnote}\tempcntb=\value{footnote}%
17731 \let\scr@tmp@footnotetext=\@footnotetext
17732 \let\@footnotetext=\@gobble
17733 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17734 \let\@LTRfootnotetext=\@gobble

```



```

17735 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17736 \let\@RTLfootnotetext=\@gobble
17737 \sbox\@tempboxa{%
17738   {\capfont{\strut\ignorespaces
17739     #1{\caplabelfont{#2\captionformat}}}%
17740     #3\unskip\strut}}%
17741 }%
17742 \let\@footnotetext=\scr@tmp@footnotetext
17743 \let\scr@tmp@footnotetext=\undefined
17744 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17745 \let\scr@tmp@LTRfootnotetext=\undefined
17746 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17747 \let\scr@tmp@RTLfootnotetext=\undefined
17748 \setcounter{footnote}{\@tempcntb}%
17749 \setcounter{mpfootnote}{\@tempcnta}%
17750 \else
17751   \sbox\@tempboxa{\hspace*{2\cap@width}}%
17752 \fi
17753 \begingroup%
17754   \setlength{\@tempdima}{\cap@width}%
17755   \ifdim \wd\@tempboxa >\@tempdima
17756     \hb@xt@\hsize{%
17757       \setbox\@tempboxa\vbox{\hsize=\cap@width
17758         \ifdoofullc@p
17759           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17760             #1{\caplabelfont{#2\captionformat}}}}}%
17761             #3\unskip\strut\par}}}%
17762         \else%
17763           \ifdim\cap@indent<\z@
17764             {\capfont{\strut\ignorespaces
17765               #1{\caplabelfont{#2\captionformat\par}}}%
17766               \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
17767           \else%
17768             \if@capbreak
17769               {\capfont{\strut\ignorespaces
17770                 #1{\caplabelfont{#2\captionformat\par}}}%
17771                 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
17772             \else
17773               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
17774                 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17775                   {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
17776             \fi
17777           \fi
17778         \fi
17779     }%
17780     \setlength{\@tempdima}{\ht\@tempboxa}%
17781     \addtolength{\@tempdima}{\dp\@tempboxa}%
17782     \addtolength{\@tempdima}{-\ht\strutbox}%
17783     \ht\@tempboxa\ht\strutbox
17784     \dp\@tempboxa\@tempdima

```



```

17785         \strut\cap@left
17786         \box\@tempboxa
17787         \cap@right\strut
17788     }%
17789 \else
17790     \global \@minipagefalse
17791     \sbox\@tempboxa{%
17792         {\capfont{\scr@smashdp{\strut\ignorespaces
17793             #1{\caplabelfont{#2\captionformat}}}}}%
17794         #3}}%
17795     }%
17796     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
17797     \fi
17798 \endgroup
17799 }
17800 \renewcommand{\@makecaption}[2]{%
17801     \if@captionabove
17802         \vskip\belowcaptionskip
17803     \else
17804         \vskip\abovecaptionskip
17805     \fi
17806     @@makecaption\@firstofone{#1}{#2}%
17807     \if@captionabove
17808         \vskip\abovecaptionskip
17809     \else
17810         \vskip\belowcaptionskip
17811     \fi
17812 }
17813 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17814     \@ifpackageloaded{caption2}{\@komalongtablefalse
17815         \scr@caption@before@longtable@warning{caption2}}%
17816     }{}%
17817     \if@komalongtable
17818         \renewcommand{\LT@makecaption}[3]{%
17819             \noalign{%
17820                 \if@captionabove
17821                     \vskip\belowcaptionskip
17822                 \else
17823                     \vskip\abovecaptionskip
17824                 \fi
17825             }%
17826             \LT@mcol\LT@cols c{%
17827                 \hbox to\z@{\hss\parbox[t]{\linewidth{%
17828                     \@makecaption{#1}{#2}{#3}}}%
17829                 \endgraf
17830                 \if@captionabove
17831                     \vskip\abovecaptionskip
17832                 \else
17833                     \vskip\belowcaptionskip
17834                 \fi

```



```

17835         }%
17836         \hss
17837     }%
17838 }%
17839 }%
17840 \renewcommand*{\scr@LT@array}{}%
17841 \let\scr@LT@array=\LT@array
17842 \renewcommand*{\LT@array}{%
17843     \let\scr@caption=\LT@caption
17844     \def\captionabove{\noalign{\global\@captionabovetrue}%
17845         \scr@caption}%
17846     \def\captionbelow{\noalign{\global\@captionabovetrue}%
17847         \scr@caption}%
17848     \if@tablecaptionabove
17849         \let\LT@caption=\captionabove
17850     \else
17851         \let\LT@caption=\captionbelow
17852     \fi
17853     \scr@LT@array
17854 }%
17855 \ClassInfo{\KOMAClassName}{%
17856     longtable captions redefined%
17857 }%
17858 \fi
17859 }
17860
17861 \CloneTOCEntryStyle{tocline}{part}
17862 \TOCEntryStyleStartInitCode{part}{%
17863     \expandafter\renewcommand%
17864     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17865     \expandafter\renewcommand%
17866     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17867     \expandafter\renewcommand%
17868     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17869         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17870     \expandafter\renewcommand\expandafter*%
17871     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17872 }
17873
17874 \CloneTOCEntryStyle{tocline}{chapter}
17875 \TOCEntryStyleStartInitCode{chapter}{%
17876     \expandafter\renewcommand%
17877     \csname scr@tso@#1@linefill\endcsname{%
17878         \if@chapterentrywithdots
17879             \TOCLineLeaderFill\relax
17880         \else
17881             \hfill
17882         \fi
17883     }%
17884     \expandafter\renewcommand%

```





```

17885 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
17886 \expandafter\renewcommand%
17887 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17888   \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17889 \expandafter\renewcommand\expandafter*%
17890 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17891 }
17892
17893 \CloneTOCEntryStyle{tocline}{section}
17894 \TOCEntryStyleStartInitCode{section}{%
17895   \expandafter\renewcommand%
17896   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17897 }
17898
17899 \CloneTOCEntryStyle{section}{default}
17900
17901 \DeclareSectionCommand[%
17902   style=part,%
17903   level=\m@ne,%
17904   pagestyle=plain,%
17905   tocstyle=part,%
17906   toplevel=\m@ne,%
17907   tocindent=\z@,%
17908   tocnumwidth=2em%
17909 ]{part}
17910 \DeclareSectionCommand[%
17911   style=chapter,%
17912   level=\z@,%
17913   pagestyle=plain,%
17914   tocstyle=chapter,%
17915   tocindent=\z@,%
17916   tocnumwidth=1.5em%
17917 ]{chapter}
17918 \DeclareSectionCommand[%
17919   style=section,%
17920   level=1,%
17921   indent=\z@,%
17922   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17923   afterskip=2.3ex \@plus .2ex,%
17924   tocstyle=section,%
17925   tocindent=1.5em,%
17926   tocnumwidth=2.3em%
17927 ]{section}
17928 \DeclareSectionCommand[%
17929   style=section,%
17930   level=2,%
17931   indent=\z@,%
17932   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17933   afterskip=1.5ex \@plus .2ex,%
17934   tocstyle=section,%

```



```

17935 tocindent=3.8em,%
17936 tocnumwidth=3.2em%
17937]{subsection}
17938\DeclareSectionCommand[%
17939 style=section,%
17940 level=3,%
17941 indent=\z@,%
17942 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17943 afterskip=1.5ex \@plus .2ex,%
17944 tocstyle=section,%
17945 tocindent=7.0em,%
17946 tocnumwidth=4.1em%
17947]{subsubsection}
17948\DeclareSectionCommand[%
17949 style=section,%
17950 level=4,%
17951 indent=\z@,%
17952 beforekip=3.25ex \@plus1ex \@minus .2ex,%
17953 afterskip=-1em,%
17954 tocstyle=section,%
17955 tocindent=10em,%
17956 tocnumwidth=5em%
17957]{paragraph}
17958\DeclareSectionCommand[%
17959 style=section,%
17960 level=5,%
17961 indent=\scr@parindent,%
17962 beforekip=3.25ex \@plus1ex \@minus .2ex,%
17963 afterskip=-1em,%
17964 tocstyle=section,%
17965 tocindent=12em,%
17966 tocnumwidth=6em%
17967]{subparagraph}
17968
17969

```

## 107 File scrlettr-xetex-bidi.def

```

17970\ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17971\renewcommand\deffootnote[4][]{%
17972 \long\def\@makefntext##1{%
17973 \edef\@tempa{#1}\ifx\@tempa\@empty
17974 \setpar{\@par
17975 \tempdima = \hsize
17976 \addtolength{\tempdima}{-#2}
17977 \ifRTL\parshape \@ne Opt \tempdima\else\parshape \@ne #2 \tempdima\fi}%
17978 \else
17979 \setpar{\@par
17980 \tempdima = \hsize
17981 \addtolength{\tempdima}{-#1}

```



```

17982      \@tempdimb = \hsize
17983      \addtolength{\@tempdimb}{-#2}
17984      \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17985      \fi
17986      \par
17987      \parindent #3\noindent
17988      \hbox to \z@{\hss\@makefnmark}##1}
17989 \def\@makefnmark{\hbox{#4}}
17990 }
17991 \def\footnote[1em]{1.5em}{1em}
17992 {\textsuperscript{\thefootnotemark}}
17993 \def\leftfootnoterule{\kern-1\p@
17994 \hrule width 0.4\columnwidth
17995 \kern .6\p@}
17996 \def\rightfootnoterule{%
17997 \kern-1\p@
17998 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17999 \kern .6\p@}
18000 \def\@datefield{\@reffalse
18001 \ifx\varyourref\@empty \else \@reftrue \fi
18002 \ifx\varyourmail\@empty \else \@reftrue \fi
18003 \ifx\varmyref\@empty \else \@reftrue \fi
18004 \ifx\varcustomer\@empty \else \@reftrue \fi
18005 \ifx\varinvoice\@empty \else \@reftrue \fi
18006 \ifx\varrefitemi\@empty \else \@reftrue \fi
18007 \ifx\varrefitemii\@empty \else \@reftrue \fi
18008 \ifx\varrefitemiii\@empty \else \@reftrue \fi
18009 \vskip -\parskip
18010 \vskip \refvskip
18011 \if@ref
18012 \ifx\varyourref\@empty \else
18013 \settowidth{\sc@temp}{\varyourref}
18014 \setbox0\hbox{\scriptsize \sf \yourrefname}
18015 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18016 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
18017 \fi
18018 \ifx\varyourmail\@empty \else
18019 \settowidth{\sc@temp}{\varyourmail}
18020 \setbox0\hbox{\scriptsize \sf \yourmailname}
18021 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18022 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
18023 \fi
18024 \ifx\varmyref\@empty \else
18025 \settowidth{\sc@temp}{\varmyref}
18026 \setbox0\hbox{\scriptsize \sf \myrefname}
18027 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18028 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
18029 \fi
18030 \ifx\varcustomer\@empty \else
18031 \settowidth{\sc@temp}{\varcustomer}

```



```

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

```

## 108 File scrreprt-xetex-bidi.def

18078 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for



```

18079 \newcommand{\scr@saved@LTRfootnotetext}{}
18080 \newcommand{\scr@saved@RTLfootnotetext}{}
18081 \let\scr@saved@footnotetext\@footnotetext
18082 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18083 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18084 \renewcommand{\@footnotetext}[1]{%
18085   \scr@saved@footnotetext{#1}%
18086   \csname FN@mf@prepare\endcsname
18087 }
18088 \renewcommand{\@LTRfootnotetext}[1]{%
18089   \scr@saved@LTRfootnotetext{#1}%
18090   \csname FN@mf@prepare\endcsname
18091 }
18092 \renewcommand{\@RTLfootnotetext}[1]{%
18093   \scr@saved@RTLfootnotetext{#1}%
18094   \csname FN@mf@prepare\endcsname
18095 }
18096 \renewcommand\deffootnote[4][1]{%
18097   \long\def\@makefnmark##1{%
18098     \setlength{\@tempdimc}{#3}%
18099     \def\@tempa{#1}\ifx\@tempa\@empty
18100       \setpar{\@par
18101         \@tempdima = \hsize
18102         \addtolength{\@tempdima}{-#2}%
18103         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18104       \else
18105         \addtolength{\@tempdimc}{#2}%
18106         \addtolength{\@tempdimc}{-#1}%
18107         \setpar{\@par
18108           \@tempdima = \hsize
18109           \addtolength{\@tempdima}{-#1}%
18110           \@tempdimb = \hsize
18111           \addtolength{\@tempdimb}{-#2}%
18112           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
18113         }%
18114       \fi
18115       \par
18116       \parindent\@tempdimc\noindent
18117       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18118     }%
18119     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18120 }
18121 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18122 \renewcommand*\left@footnoterule{%
18123   \normalsize\ftn@rule@test@values
18124   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
18125   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18126   {\usekomafont{footnoterule}{%
18127     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18128   \kern 2.6\p@}

```



```

18129 \renewcommand*\right@footnoterule{%
18130   \normalsize\ftn@rule@test@values
18131   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18132   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18133   {\usekomafont{footnoterule}{%
18134     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
18135     \kern 2.6\p@}
18136 \renewcommand*\maketitle[1][1]{%
18137   \if@titlepage
18138     \begin{titlepage}
18139       \setcounter{page}{%
18140         #1%
18141       }%
18142       \let\footnotesize\small
18143       \let\right@footnoterule\relax
18144       \let\left@footnoterule\relax
18145       \let\textwidth@footnoterule\relax
18146       \let\footnote\thanks
18147       \let\LTRfootnote\LTRthanks
18148       \let\RTLfootnote\RTLthanks
18149       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18150       \let\@oldmakefnmark\@makefnmark
18151       \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
18152       \ifx\@extratitle\@empty \else
18153         \noindent\@extratitle\next@tpage\cleardoubleemptypage
18154         \thispagestyle{empty}%
18155       \fi
18156       \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
18157       \ifx\@titlehead\@empty \else
18158         \begin{minipage}[t]{\textwidth}%
18159           \@titlehead
18160         \end{minipage}\par
18161       \fi
18162       \null\vfill
18163       \begin{center}
18164         \ifx\@subject\@empty \else
18165           {\subject@font \@subject \par}%
18166           \vskip 3em
18167         \fi
18168         {\titlefont\huge \@title\par}%
18169         \vskip 1em
18170         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18171         \vskip 2em
18172         {\Large \lineskip 0.75em
18173           \begin{tabular}[t]{c}
18174             \@author
18175           \end{tabular}\par
18176         }%
18177         \vskip 1.5em
18178         {\Large \@date \par}%

```



```

18179      \vskip \z@ \@plus3fill
18180      {\Large \@publishers \par}%
18181      \vskip 3em
18182    \end{center}\par
18183    \@thanks
18184    \vfill\null
18185    \if@twoside\next@tpage
18186      \begin{minipage}[t]{\textwidth}
18187        \@uppertitleback
18188      \end{minipage}\par
18189      \vfill
18190      \begin{minipage}[b]{\textwidth}
18191        \@lowertitleback
18192      \end{minipage}
18193    \fi
18194    \ifx\@dedication\@empty \else
18195      \next@tpage\null\vfill
18196      {\centering \Large \@dedication \par}%
18197      \vskip \z@ \@plus3fill
18198      \if@twoside \next@tpage\cleardoubleemptypage \fi
18199    \fi
18200  \end{titlepage}
18201 \else
18202   \par
18203   \@tempcnta=%
18204   #1%
18205   \relax\ifnum\@tempcnta=1\else
18206     \ClassWarning{\KOMAClassName}{%
18207       Optional argument of \string\maketitle\space ignored
18208       at\MessageBreak
18209       notitlepage-mode%
18210     }%
18211   \fi
18212   \begingroup
18213     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18214     \let\@oldmakefnmark\@makefnmark
18215     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
18216     \if@twocolumn
18217       \ifnum \col@number=\@ne
18218         \@maketitle
18219       \else
18220         \twocolumn[\@maketitle]%
18221       \fi
18222     \else
18223       \newpage
18224       \global\@topnum\z@
18225       \@maketitle
18226     \fi
18227     \thispagestyle{\titlepagestyle}\@thanks
18228   \endgroup

```



```

18229 \fi
18230 \setcounter{footnote}{0}%
18231 \let\thanks\relax
18232 \let\LTRthanks\relax
18233 \let\RTLthanks\relax
18234 \let\maketitle\relax
18235 \let\@maketitle\relax
18236 \global\let\@thanks\@empty
18237 \global\let\@author\@empty
18238 \global\let\@date\@empty
18239 \global\let\@title\@empty
18240 \global\let\@subtitle\@empty
18241 \global\let\@extratitle\@empty
18242 \global\let\@titlehead\@empty
18243 \global\let\@subject\@empty
18244 \global\let\@publishers\@empty
18245 \global\let\@uppertitleback\@empty
18246 \global\let\@lowertitleback\@empty
18247 \global\let\@dedication\@empty
18248 \global\let\author\relax
18249 \global\let\title\relax
18250 \global\let\extratitle\relax
18251 \global\let\titlehead\relax
18252 \global\let\subject\relax
18253 \global\let\publishers\relax
18254 \global\let\uppertitleback\relax
18255 \global\let\lowertitleback\relax
18256 \global\let\dedication\relax
18257 \global\let\date\relax
18258 \global\let\and\relax
18259 }%
18260 \renewcommand*{\@maketitle}{%
18261 \clearpage
18262 \let\footnote\thanks
18263 \let\LTRfootnote\LTRthanks
18264 \let\RTLfootnote\RTLthanks
18265 \ifx\@extratitle\@empty \else
18266 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18267 \fi
18268 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18269 \ifx\@titlehead\@empty \else
18270 \begin{minipage}[t]{\textwidth}
18271 \@titlehead
18272 \end{minipage}\par
18273 \fi
18274 \null
18275 \vskip 2em%
18276 \begin{center}%
18277 \ifx\@subject\@empty \else
18278 {\subject@font \@subject \par}

```





```

18279     \vskip 1.5em
18280     \fi
18281     {\titlefont\huge \@title \par}%
18282     \vskip .5em
18283     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18284     \vskip 1em
18285     {\Large
18286       \lineskip .5em%
18287       \begin{tabular}[t]{c}
18288         \@author
18289       \end{tabular}\par
18290     }%
18291     \vskip 1em%
18292     {\Large \@date \par}%
18293     \vskip \z@ \@plus 1em
18294     {\Large \@publishers \par}
18295     \ifx\@dedication\@empty \else
18296       \vskip 2em
18297       {\Large \@dedication \par}
18298     \fi
18299     \end{center}%
18300     \par
18301     \vskip 2em
18302   }%
18303   \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18304   \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18305   \renewcommand*\thesection{%
18306     \thechapter\@SepMark%
18307     \@arabic\c@section
18308   }
18309   \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\csubsection}
18310   \renewcommand*{\thesubsubsection}{%
18311     \thesubsection\@SepMark\@arabic\csubsubsection
18312   }
18313   \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\cparagraph}
18314   \renewcommand*{\thesubparagraph}{%
18315     \theparagraph\@SepMark\@arabic\csubparagraph
18316   }
18317   \renewcommand*\thefigure{%
18318     \thechapter\@SepMark%
18319     \@arabic\c@figure
18320   }
18321   \renewcommand*\thetable{%
18322     \thechapter\@SepMark%
18323     \@arabic\c@table
18324   }
18325   \renewcommand*\theequation{%
18326     \thechapter\@SepMark%
18327     \@arabic\c@equation
18328   }

```



```

18329 \renewenvironment{thebibliography}[1]{%
18330   \if@bib@break@
18331   \bib@beginhook
18332   \else
18333     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18334       \setchapterpreamble{\bibpreamble}%
18335     \fi\fi
18336     \bib@heading
18337     \bib@beginhook
18338     \bib@before@hook
18339   \fi
18340 \renewcommand{\BreakBibliography}[1]{%
18341   \@bib@break
18342   \end{thebibliography}%
18343   \begingroup ##1\endgroup
18344   \begin{thebibliography}{#1}
18345 }%
18346 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18347 \bidi@thebibliography@font@hook%
18348 \list{%
18349   \@biblabel{\@arabic\c@enumiv}%
18350 }{%
18351   \settowidth\labelwidth{\@biblabel{#1}}%
18352   \leftmargin\labelwidth
18353   \advance\leftmargin\labelsep
18354   \@openbib@code
18355   \if@bib@break@
18356     \edef\@tempa{%
18357       \noexpand\usecounter{enumiv}%
18358       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18359     }\@tempa
18360     \no@bib@break
18361   \else
18362     \usecounter{enumiv}%
18363   \fi
18364   \let\p@enumiv\@empty
18365   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18366 }%
18367 \sloppy\clubpenalty4000 \widowpenalty4000
18368 \sfcode`\.=\@m
18369 }{%
18370   \if@bib@break@
18371     \def\@noitemerr{%
18372       \@latex@warning{%
18373         \string\BreakBibliography\space at begin of `thebibliography'
18374         environment\MessageBreak
18375         or following \string\BreakBibliography}%
18376     }%
18377   \else
18378     \def\@noitemerr{%

```



```

18379 \latex@warning{%
18380 Empty `thebibliography' environment or
18381 \string\BreakBibliography\MessageBreak
18382 before end of `thebibliography' environment}%
18383 }%
18384 \fi
18385 \endlist
18386 \if@bib@break@
18387 \else
18388 \bib@after@hook
18389 \let\bib@before@hook\@empty
18390 \let\bib@after@hook\@empty
18391 \fi
18392 \bib@endhook
18393 }
18394 \renewcommand*\left@footnoterule{%
18395 \kern-3\p@
18396 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18397 \hrule\@width.4\columnwidth
18398 \kern 2.6\p@}
18399 \renewcommand*\right@footnoterule{%
18400 \kern-3\p@
18401 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18402 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18403 \kern2.6\p@}
18404 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
18405 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
18406 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
18407 \renewcommand\marginline[1]{%
18408 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18409 }
18410 \renewcommand{\@makecaption}[3]{%
18411 \cap@margin
18412 \ifonelinecaptions
18413 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18414 \let\scr@tmp@footnotetext=\@footnotetext
18415 \let\@footnotetext=\@gobble
18416 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18417 \let\@LTRfootnotetext=\@gobble
18418 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18419 \let\@RTLfootnotetext=\@gobble
18420 \sbox\@tempboxa{%
18421 {\capfont{\strut\ignorespaces
18422 #1{\caplabelfont{#2\captionformat}}}%
18423 #3\unskip\strut}}%
18424 }%
18425 \let\@footnotetext=\scr@tmp@footnotetext
18426 \let\scr@tmp@footnotetext=\undefined
18427 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18428 \let\scr@tmp@LTRfootnotetext=\undefined

```



```

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

```



```

18479      {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c
18480      \fi
18481      \endgroup
18482  }
18483  \renewcommand{\@makecaption}[2]{%
18484    \if@captionabove
18485      \vskip\belowcaptionskip
18486    \else
18487      \vskip\abovecaptionskip
18488    \fi
18489    @@makecaption\@firstofone{#1}{#2}%
18490    \if@captionabove
18491      \vskip\abovecaptionskip
18492    \else
18493      \vskip\belowcaptionskip
18494    \fi
18495  }
18496  \bidi@AfterFile{longtable-xetex-bidi.def}{%
18497    \@ifpackageloaded{caption2}{\@komalongtablefalse
18498      \scr@caption@before@longtable@warning{caption2}%
18499    }{}%
18500    \if@komalongtable
18501      \renewcommand{\LT@makecaption}[3]{%
18502        \noalign{%
18503          \if@captionabove
18504            \vskip\belowcaptionskip
18505          \else
18506            \vskip\abovecaptionskip
18507          \fi
18508        }%
18509        \LT@mcol\LT@cols c{%
18510          \hbox to\z@{\hss\parbox[t]{\linewidth{%
18511            \@makecaption{#1}{#2}{#3}%
18512          \endgraf
18513          \if@captionabove
18514            \vskip\abovecaptionskip
18515          \else
18516            \vskip\belowcaptionskip
18517          \fi
18518          }%
18519          \hss
18520        }%
18521      }%
18522    }%
18523    \renewcommand*{\scr@LT@array}{}%
18524    \let\scr@LT@array=\LT@array
18525    \renewcommand*{\LT@array}{%
18526      \let\scr@caption=\LT@caption
18527      \def\captionabove{\noalign{\global\@captionabovetrue}%
18528        \scr@caption}%

```



```

18529 \def\captionbelow{\noalign{\global\@captionabovefalse}%
18530 \scr@caption}%
18531 \if@tablecaptionabove
18532 \let\LT@caption=\captionabove
18533 \else
18534 \let\LT@caption=\captionbelow
18535 \fi
18536 \scr@LT@array
18537 }%
18538 \ClassInfo{\KOMAClassName}{%
18539 longtable captions redefined%
18540 }%
18541 \fi
18542 }
18543
18544 \CloneTOCEntryStyle{tocline}{part}
18545 \TOCEntryStyleStartInitCode{part}{%
18546 \expandafter\renewcommand%
18547 \csname scr@tso@#1@linefill\endcsname{\hfill}%
18548 \expandafter\renewcommand%
18549 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18550 \expandafter\renewcommand%
18551 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18552 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18553 \expandafter\renewcommand\expandafter*%
18554 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18555 }
18556
18557 \CloneTOCEntryStyle{tocline}{chapter}
18558 \TOCEntryStyleStartInitCode{chapter}{%
18559 \expandafter\renewcommand%
18560 \csname scr@tso@#1@linefill\endcsname{%
18561 \if@chapterentrywithdots
18562 \TOCLineLeaderFill\relax
18563 \else
18564 \hfill
18565 \fi
18566 }%
18567 \expandafter\renewcommand%
18568 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18569 \expandafter\renewcommand%
18570 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18571 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18572 \expandafter\renewcommand\expandafter*%
18573 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18574 }
18575
18576 \CloneTOCEntryStyle{tocline}{section}
18577 \TOCEntryStyleStartInitCode{section}{%
18578 \expandafter\renewcommand%

```



```

18579 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18580 }
18581
18582 \CloneTOCEntryStyle{section}{default}
18583
18584 \DeclareSectionCommand[%
18585   style=part,%
18586   level=\m@ne,%
18587   pagestyle=plain,%
18588   tocstyle=part,%
18589   toplevel=\m@ne,%
18590   tocindent=\z@,%
18591   tocnumwidth=2em%
18592 ]{part}
18593 \DeclareSectionCommand[%
18594   style=chapter,%
18595   level=\z@,%
18596   pagestyle=plain,%
18597   tocstyle=chapter,%
18598   tocindent=\z@,%
18599   tocnumwidth=1.5em%
18600 ]{chapter}
18601 \DeclareSectionCommand[%
18602   style=section,%
18603   level=1,%
18604   indent=\z@,%
18605   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18606   afterskip=2.3ex \@plus .2ex,%
18607   tocstyle=section,%
18608   tocindent=1.5em,%
18609   tocnumwidth=2.3em%
18610 ]{section}
18611 \DeclareSectionCommand[%
18612   style=section,%
18613   level=2,%
18614   indent=\z@,%
18615   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18616   afterskip=1.5ex \@plus .2ex,%
18617   tocstyle=section,%
18618   tocindent=3.8em,%
18619   tocnumwidth=3.2em%
18620 ]{subsection}
18621 \DeclareSectionCommand[%
18622   style=section,%
18623   level=3,%
18624   indent=\z@,%
18625   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18626   afterskip=1.5ex \@plus .2ex,%
18627   tocstyle=section,%
18628   tocindent=7.0em,%

```



```

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

```

## 109 File sidecap-xetex-bidi.def

```

18653 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
18654 \renewcommand*{\SC@FLOAT}[2]{\ifRTL%
18655   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18656 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18657 \renewcommand*{\SC@justify@caption}{\ifRTL%
18658 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18659 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

## 110 File soul-xetex-bidi.def

```

18660 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18661 \long\def\SOUL@start#1{%
18662   \let\bidir@RTL@everypar\@empty
18663   \let\<\SOUL@lowerthan
18664   \let\>\empty
18665   \def\soulomit{\noexpand\soulomit}%
18666   \gdef\SOUL@eventuallyxhyphen##1{%
18667     \let\SOUL@soeventuallyskip\relax
18668     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18669       \@minus\fontdimen4\font
18670     \SOUL@ignorespacesfalse
18671     \leavevmode
18672     \SOUL@preamble

```





```

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

```

## 111 File stabular-xetex-bidi.def



```

18720 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18721 \def\@stabular{%
18722   \leavevmode \bgroup \if@RTLtab\beginR \fi
18723   \let\@acol\@tabacol
18724   \let\@classz\@tabclassz
18725   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18726 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18727   \egroup \if@RTLtab\endR\fi\egroup}
18728 \expandafter \let \csname endstabular*\endcsname = \endstabular
18729 \def\@sarray[#1]#2{%
18730   \bgroup
18731   \setbox\@arstrutbox\hbox{%
18732     \vrule \@height\arraystretch\ht\strutbox
18733     \@depth\arraystretch \dp\strutbox
18734     \@width\z@}%
18735   \@mkpream{#2}%
18736   \edef\@preamble{%
18737     \ialign \noexpand\@halignto
18738       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18739   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18740   \let\@tabularnewline\\%
18741   \let\@sharp##%
18742   \set@typeset@protect
18743   \lineskip\z@skip\baselineskip\z@skip
18744   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18745   \@preamble}

```

## 112 File subfigure-xetex-bidi.def

```

18746 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18747 \AtBeginDocument{%
18748   \let\p@subfigure=\thefigure
18749   \let\p@subtable=\thetable%
18750 }

```

## 113 File tabs-xetex-bidi.def

```

18751 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeLaTeX]
18752 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18753
18754 \expandafter\let\csname endtabular*\endcsname=\endtabular
18755
18756 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given
18757   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18758   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18759
18760 \def\@array[#1]#2{% remember global variables to allow recursion:
18761   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18762     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18763   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep

```



```

18764 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18765 \else \let\@tarlinesep\tablinesep \fi
18766 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18767 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18768 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18769 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18770 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
18771 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18772 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18773 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18774 \let\protect\noexpand
18775 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18776 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18777 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18778 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
18779 \bgroup \let\par\empty
18780 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18781 \advance\extrarulesep.5\arrayrulewidth
18782 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18783 \ifRTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \box \fi\bgroup\fi
18784 \@preamble}

```

## 114 File tabularx-xetex-bidi.def

```

18785 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18786 \def\TX@endtabularx{%
18787 \expandafter\expandafter\expandafter
18788 \TX@find@endtabularxa\csname end\TX@\endcsname
18789 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18790 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18791 \let\verb\TX@verb
18792 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18793 \edef\TX@ckpt{\cl@ckpt}%
18794 \let\@elt\relax
18795 \TX@old@table\maxdimen
18796 \TX@col@width\TX@target
18797 \global\TX@cols@one
18798 \TX@typeout@
18799 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18800 \TX@trial{\def\NC@rewriteX{%
18801 \global\advance\TX@cols\@one\NC@find p{\TX@col@width}}}%
18802 \loop
18803 \TX@arith
18804 \ifTX@
18805 \TX@trial{}%
18806 \repeat
18807 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18808 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18809 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18810 \csname tabular*\expandafter\endcsname\expandafter\TX@target

```



```

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

```



## 115 File tabulary-xetex-bidi.def

```

18860 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18861 \def\@testpachf{\@chclass
18862   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18863     \ifnum \@lastchclass=7 5 \else
18864       \ifnum \@lastchclass=8 \tw@ \else
18865         \ifnum \@lastchclass=9 \thr@@
18866         \else \z@
18867       \ifnum \@lastchclass = 10 \else
18868         \edef\@nextchar{\expandafter\string\@nextchar}%
18869         \@chnum
18870       \if \@nextchar c\z@ \else
18871         \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18872         \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18873       \if \@nextchar C7 \else
18874         \if \@nextchar L8 \else
18875         \if \@nextchar R9 \else
18876         \if \@nextchar J10 \else
18877       \z@ \@chclass
18878     \if \@nextchar |\@ne \else
18879       \if \@nextchar !6 \else
18880       \if \@nextchar @7 \else
18881       \if \@nextchar <8 \else
18882       \if \@nextchar >9 \else
18883       10
18884     \@chnum
18885   \if \@nextchar m\thr@@\else
18886     \if \@nextchar p4 \else
18887     \if \@nextchar b5 \else
18888     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18889     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

## 116 File tc-xetex-bidi.def

```

18890 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18891 \def\@cliptoboxdim#1{%
18892   \setbox#1=\hbox{%
18893     \Gin@defaultbp\WIDTH{\wd#1}%
18894     \Gin@defaultbp\DEPTH{\dp#1}%
18895     \@tempdima\ht#1%
18896     \advance\@tempdima\dp#1%
18897     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18898     \beginL\special{pdf:bcontent }%
18899     \special{%
18900       pdf:literal direct
18901       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18902     }%
18903     \special{pdf:literal direct W }%
18904     \special{pdf:literal direct n }%

```



```

18905         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18906         \special{pdf:econtent }\endL%
18907     }%
18908 }

```

## 117 File tcolorbox-xetex-bidi.def

```

18909 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox package]
18910 \let\endtcblrbox=\endminipage
18911 \let\endtcbsavebox=\endtcblrbox
18912
18913 \bidi@patchcmd{\tcb@vbox}{%
18914     \let\@footnotetext\@mpfootnotetext%
18915 }{%
18916     \let\@footnotetext\@mpfootnotetext%
18917     \let\@LTRfootnotetext\@mpLTRfootnotetext%
18918     \let\@RTLfootnotetext\@mpRTLfootnotetext%
18919 }{}{}
18920
18921 \bidi@patchcmd{\endtcbvbox}{%
18922     \footnoterule%
18923 }{%
18924     \bidi@mpfootnoterule%
18925 }{}{}
18926 \bidi@apptocmd\tcb@icolorbox{%
18927     \@bidi@list@minipage@parboxfalse
18928 }{}{}

```

## 118 File titlesec-xetex-bidi.def

```

18929 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18930 \renewcommand\filright{%
18931     \gdef\ttl@filleft##1{\hskip##1}%
18932     \gdef\ttl@filright##1{\hfill}%
18933     \let\\\@centercr
18934     \advance\rightskip\z@ \@plus 1fil
18935     \parfillskip\z@}
18936 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18937     \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18938     \setlength\leftskip{#6}%
18939     \setlength\rightskip{#7}%
18940     \interlinepenalty\@M
18941     \ttl@changecentercr
18942     \ttl@beginlongest
18943     #1{\ifhmode\ttl@hmode@error\fi
18944         \ttl@glcmds
18945         \parindent\z@
18946         \leavevmode
18947         \begingroup
18948         \ifttl@label

```



```

18949      \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18950      \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18951      \llap{\box\z@}%
18952      \fi
18953      #4{#8}%
18954      \kern\z@\strut\@@par
18955      \endgroup
18956      \nobreak\ttl@midlongest#5\@@par}%
18957      \ttl@endlongest}

```

## 119 File `titletoc-xetex-bidi.def`

```

18958 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18959 \renewcommand\filright{%
18960   \gdef\ttl@filleft##1{\hskip##1}%
18961   \gdef\ttl@filright##1{\hfill}%
18962   \let\\@centercr
18963   \advance\rightskip\z@ \@plus 1fil
18964   \parfillskip\z@}
18965 \renewcommand\contentspush[1]{%
18966   \sbox\z@{#1}%
18967   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18968   \aftergroup\ttl@b
18969   \leavevmode\llap{\box\z@}}
18970 \def\ttl@outnoblock#1#2#3{%
18971   \begingroup
18972   \ifnum\ttl@b>\ttl@a
18973     \nobreak
18974   \else\ifnum\ttl@b<\ttl@a
18975     \addpenalty{\@secpenalty}%
18976   \else
18977     \addpenalty{\z@}%
18978   \fi\fi
18979   \ttl@contentsstretch
18980   \nobreak
18981   \ifcase#1\relax\else\interlinepenalty\@M\fi
18982   \parindent\z@
18983   \ifx\@nil#2%
18984     \PackageError{titletoc}{Unimplemented}%
18985     {The optional argument is currently mandatory}%
18986   \else
18987     \if@RTL\setlength\rightskip{#2}\else
18988     \setlength\leftskip{#2}\fi%
18989   \fi
18990   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18991   \let\contentsmargin\ttl@margin
18992   \def\ttl@makeline##1{##1}%
18993   #3%
18994   \addtolength{\parfillskip}{-\ttl@corr}%
18995   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%

```



```

18996 \let\ttl@leaders\leaders}
18997 \renewcommand\ttl@margin[2][\z@]{%
18998   \def\ttl@corr{#1}%
18999   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
19000   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
19001   \def\@pnumwidth{#2}}
19002 \let\ttl@savel@part\l@part
19003 \def\l@part{\ttl@lselect{part}}
19004
19005 \let\ttl@savel@chapter\l@chapter
19006 \def\l@chapter{\ttl@lselect{chapter}}

```

## 120 File tocbibind-xetex-bidi.def

```

19007 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
19008 \if@dotocbib
19009   \@ifpackageloaded{natbib}{\% natbib not loaded
19010     \renewcommand{\bibsection}{\t@cb@bchapsec}
19011     \renewenvironment{thebibliography}[1]{%
19012       \bibsection
19013       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}{
19014   \renewenvironment{thebibitemlist}[1]{
19015     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19016     \bidi@thebibliography@font@hook%
19017     \list{\@biblabel{\@arabic{c@enumiv}}}%
19018       {\settowidth\labelwidth{\@biblabel{#1}}%
19019        \leftmargin\labelwidth
19020        \advance\leftmargin\labelsep
19021        \@openbib@code
19022        \usecounter{enumiv}%
19023        \let\p@enumiv\@empty
19024        \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
19025     \sloppy
19026     \clubpenalty4000
19027     \@clubpenalty \clubpenalty
19028     \widowpenalty4000%
19029     \sfcode\.\@m}
19030   {\def\@noitemerr
19031     {\@latex@warning{Empty `thebibliography' environment}}}%
19032   \endlist}
19033
19034   \@ifpackagewith{chapterbib}{sectionbib}%
19035     {\renewcommand{\sectionbib}[2]{}}%
19036     {}
19037
19038 \fi
19039 \if@inltxdoc\else
19040   \renewenvironment{theindex}%
19041     {\if@twocolumn
19042       \@restonecolfalse

```





```

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

```

## 121 File tocloft-xetex-bidi.def

```

19088 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
19089 \let\cftdot\@SepMark

```



```

19090 \if@cfthaspart
19091 \renewcommand*{\l@part}[2]{
19092   \@cftdopartfalse
19093   \ifnum \c@tocdepth >-2\relax
19094     \if@cfthaschapter
19095       \@cftdoparttrue
19096     \fi
19097     \ifnum \c@tocdepth >\m@ne
19098       \if@cfthaschapter\else
19099         \@cftdoparttrue
19100       \fi
19101     \fi
19102   \fi
19103   \if@cftdopart
19104     \if@cfthaschapter
19105       \addpenalty{-\@highpenalty}
19106     \else
19107       \addpenalty\@secpenalty
19108     \fi
19109     \addvspace{\cftbeforepartskip}
19110     \begingroup
19111       {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
19112        \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19113        \parfillskip -\if@RTL\leftskip\else\righskip\fi
19114        \parindent \cftpartindent\relax\@afterindenttrue
19115        \interlinepenalty\@M
19116        \leavevmode
19117        \@tempdima \cftpartnumwidth\relax
19118        \let\@cftbsnum \cftpartpresnum
19119        \let\@cftasnum \cftpartaftersnum
19120        \let\@cftasnumb \cftpartaftersnumb
19121        \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19122        {\cftpartfont \cftpartpresnum #1}
19123        \cftpartfillnum{#2}}
19124     \nobreak
19125     \if@cfthaschapter
19126       \global\@nobreaktrue
19127       \everypar{\global\@nobreakfalse\everypar{}}
19128     \else
19129       \if@compatibility
19130         \global\@nobreaktrue
19131         \everypar{\global\@nobreakfalse\everypar{}}
19132       \fi
19133     \fi
19134   \endgroup
19135 \fi}
19136 \fi
19137 \if@cfthaschapter
19138 \renewcommand*{\l@chapter}[2]{
19139   \ifnum \c@tocdepth >\m@ne

```



```

19140 \addpenalty{-\@highpenalty}
19141 \vskip \cftbeforechapskip
19142 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
19143 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19144 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19145 \parindent \cftchapindent\relax\@afterindenttrue
19146 \interlinepenalty\@M
19147 \leavevmode
19148 \@tempdima \cftchapnumwidth\relax
19149 \let\@cftbsnum \cftchappresnum
19150 \let\@cftasnum \cftchapaftersnum
19151 \let\@cftasnumb \cftchapaftersnumb
19152 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
19153 {\cftchapfont #1}\nobreak
19154 \cftchapfillnum{#2}}
19155 \fi}
19156 \fi
19157 \renewcommand*{\l@section}[2]{%
19158 \ifnum \c@tocdepth >\z@
19159 \if@cfthaschapter
19160 \vskip \cftbeforesecskip
19161 \else
19162 \addpenalty\@secpenalty
19163 \addvspace{\cftbeforesecskip}
19164 \fi
19165 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
19166 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19167 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19168 \parindent \cftsecindent\relax\@afterindenttrue
19169 \interlinepenalty\@M
19170 \leavevmode
19171 \@tempdima \cftsecnumwidth\relax
19172 \let\@cftbsnum \cftsecpresnum
19173 \let\@cftasnum \cftsecaftersnum
19174 \let\@cftasnumb \cftsecaftersnumb
19175 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
19176 {\cftsecfont #1}\nobreak
19177 \cftsecfillnum{#2}}
19178 \fi}
19179 \renewcommand*{\l@subsection}[2]{%
19180 \ifnum \c@tocdepth >\@ne
19181 \vskip \cftbeforesubsecskip
19182 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
19183 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19184 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19185 \parindent \cftsubsecindent\relax\@afterindenttrue
19186 \interlinepenalty\@M
19187 \leavevmode
19188 \@tempdima \cftsubsecnumwidth\relax
19189 \let\@cftbsnum \cftsubsecpresnum

```



```

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

```



```

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

```



```

19290 \parindent \cftsubfigindent\relax\@afterindenttrue
19291 \interlinepenalty\@M
19292 \leavevmode
19293 \@tempdima \cftsubfignumwidth\relax
19294 \let\@cftbsnum \cftsubfigpresnum
19295 \let\@cftasnum \cftsubfigaftersnum
19296 \let\@cftasnumb \cftsubfigaftersnumb
19297 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
19298 {\cftsubfigfont ##1}\nobreak
19299 \cftsubfigfillnum{##2}}
19300 \fi
19301 }
19302 }
19303 \renewcommand{\@cftl@subtab}{
19304 \renewcommand*\@l@subtable}[2]{%
19305 \ifnum \c@lotdepth > \toclevel@subtable
19306 \vskip \cftbeforesubtabskip
19307 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
19308 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19309 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19310 \parindent \cftsubtabindent\relax\@afterindenttrue
19311 \interlinepenalty\@M
19312 \leavevmode
19313 \@tempdima \cftsubtabnumwidth\relax
19314 \let\@cftbsnum \cftsubtabpresnum
19315 \let\@cftasnum \cftsubtabaftersnum
19316 \let\@cftasnumb \cftsubtabaftersnumb
19317 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
19318 {\cftsubtabfont ##1}\nobreak
19319 \cftsubtabfillnum{##2}}
19320 \fi
19321 }
19322 }
19323 \renewcommand{\newlistentry}[4][\@empty]{%
19324 \@ifundefined{c@#2}{% check & set the counter
19325 \ifx \@empty#1\relax
19326 \newcounter{#2}
19327 \else
19328 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19329 {#1 has no counter for use as a `within'}
19330 \newcounter{#2}}%
19331 {\newcounter{#2}[#1}%
19332 \expandafter\edef\csname the#2\endcsname{%
19333 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19334 \fi
19335 \setcounter{#2}{0}
19336 }
19337 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19338
19339 \@namedef{1@#2}##1##2{%

```



```

19340 \ifnum \@nameuse{c@#3depth} > #4\relax
19341 \vskip \@nameuse{cftbefore#2skip}
19342 {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19343 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19344 \parfillskip -\if@RTL\leftskip\else\righskip\fi
19345 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19346 \interlinepenalty\@M
19347 \leavevmode
19348 \@tempdima \@nameuse{cft#2numwidth}\relax
19349 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19350 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19351 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19352 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
19353 {\@nameuse{cft#2font}##1}\nobreak
19354 \@nameuse{cft#2fillnum}{##2}}
19355 \fi
19356 } % end of \l@#2
19357
19358 \expandafter\newlength\csname cftbefore#2skip\endcsname
19359 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2p@}
19360 \expandafter\newlength\csname cft#2indent\endcsname
19361 \expandafter\newlength\csname cft#2numwidth\endcsname
19362 \ifcase #4\relax % 0
19363 \setlength{\@nameuse{cft#2indent}}{0em}
19364 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19365 \or % 1
19366 \setlength{\@nameuse{cft#2indent}}{1.5em}
19367 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19368 \or % 2
19369 \setlength{\@nameuse{cft#2indent}}{3.8em}
19370 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19371 \or % 3
19372 \setlength{\@nameuse{cft#2indent}}{7.0em}
19373 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19374 \else % anything else
19375 \setlength{\@nameuse{cft#2indent}}{10.0em}
19376 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19377 \fi
19378 \@namedef{cft#2font}{\normalfont}
19379 \@namedef{cft#2presnum}{\}
19380 \@namedef{cft#2aftersnum}{\}
19381 \@namedef{cft#2aftersnumb}{\}
19382 \@namedef{cft#2dotsep}{\cftdotsep}
19383 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19384 \@namedef{cft#2pagefont}{\normalfont}
19385 \@namedef{cft#2afterpnum}{\}
19386 \@namedef{toclevel@#2}{#4}
19387 \@namedef{cft#2fillnum}##1{%
19388 {\@nameuse{cft#2leader}}\nobreak
19389 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}

```



```

19390 } % end \newlistentry
19391 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
19392   {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
19393   \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
19394   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
19395   \textit{#1}\protect\par}}}

```

## 122 File tocbasic-xetex-bidi.def

```

19396 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19397 \bidi@undef\scr@dte@def@l@undottedtocline
19398 \bidi@undef\scr@dte@undottedtocline@init
19399 \DeclareTOCEntryStyle{undottedtocline}[{%
19400   \DefineTOCEntryLengthOption{indent}%
19401   {scr@tso@}{@indent}{entry indent}%
19402   \DefineTOCEntryLengthOption{numwidth}%
19403   {scr@tso@}{@numwidth}{entry number width}%
19404   \@ifundefined{#1tocdepth}{%
19405     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19406       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19407         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19408           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19409             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19410               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19411                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19412                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{11}}{%
19413                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19414                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
19415                         \csname #1numdepth\endcsname
19416                       }%
19417                     }%
19418                   }%
19419                 }%
19420               }%
19421             }%
19422           }%
19423         }%
19424       }%
19425     }%
19426   \@ifundefined{scr@tso@#1@indent}{%
19427     \@ifundefined{scr@#1@tocindent}{%
19428       \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19429         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19430           \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19431             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19432               \scr@ifundefinedorrelax{1@chapter}{%
19433                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19434                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19435                     \ifstr{#1}{subsubsection}{%
19436                       \@namedef{scr@tso@#1@indent}{3.8em}%

```





```

19437         }{%
19438         \ifstr{#1}{paragraph}{%
19439         \@namedef{scr@tso@#1@indent}{7em}%
19440         }{%
19441         \ifstr{#1}{subparagraph}{%
19442         \@namedef{scr@tso@#1@indent}{10em}%
19443         }{%
19444         }%
19445         }%
19446         }%
19447         }%
19448         }%
19449     }{%
19450     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19451     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19452     \ifstr{#1}{subsubsection}{%
19453     \@namedef{scr@tso@#1@indent}{7.0em}%
19454     }{%
19455     \ifstr{#1}{paragraph}{%
19456     \@namedef{scr@tso@#1@indent}{10em}%
19457     }{%
19458     \ifstr{#1}{subparagraph}{%
19459     \@namedef{scr@tso@#1@indent}{12em}%
19460     }{%
19461     }%
19462     }%
19463     }%
19464     }%
19465     }%
19466     }%
19467     }%
19468     }%
19469     }%
19470     }%
19471     }%
19472     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19473     }%
19474     }{%
19475     \@ifundefined{scr@tso@#1@numwidth}{%
19476     \@ifundefined{scr@#1@tocnumwidth}{%
19477     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19478     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19479     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19480     \scr@ifundefinedorrelax{chapter}{%
19481     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19482     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19483     \ifstr{#1}{subsubsection}{%
19484     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19485     }{%
19486     \ifstr{#1}{paragraph}{%

```



```

19487         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19488     }{%
19489         \ifstr{#1}{subparagraph}{%
19490             \@namedef{scr@tso@#1@numwidth}{5em}%
19491         }{%
19492             }%
19493         }%
19494     }%
19495 }%
19496 }%
19497 }{%
19498     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19499         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19500             \ifstr{#1}{subsubsection}{%
19501                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
19502             }{%
19503                 \ifstr{#1}{paragraph}{%
19504                     \@namedef{scr@tso@#1@numwidth}{5em}%
19505                 }{%
19506                     \ifstr{#1}{subparagraph}{%
19507                         \@namedef{scr@tso@#1@numwidth}{6em}%
19508                     }{%
19509                         }%
19510                     }%
19511                 }%
19512             }%
19513         }%
19514     }%
19515 }%
19516 }%
19517 }%
19518 }{%
19519     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19520 }%
19521 }{}%
19522 }]{%
19523     \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \@ne \relax
19524         \ifnum \@nameuse{#1tocdepth} < \@ne
19525             \scr@ifundefinedorrelax{chapter}{%
19526                 \addpenalty\@secpenalty
19527                 \addvspace{1.0em \@plus\p@}%
19528             }{%
19529                 \addpenalty{-\@highpenalty}%
19530                 \vskip 1.0em \@plus\p@
19531             }%
19532         \else
19533             \addpenalty\@secpenalty
19534             \addvspace{1.0em \@plus\p@}%
19535         \fi
19536         \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%

```



```

19537 \begingroup
19538 \parindent \z@ \bidi@rightskip \@pnumwidth
19539 \parfillskip -\@pnumwidth
19540 \leavevmode
19541 \bfseries
19542 \advance\bidi@leftskip\@tempdima
19543 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19544 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19545 ##1%
19546 \nobreak
19547 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19548 \par
19549 \penalty\@highpenalty
19550 \endgroup
19551 \fi
19552 }
19553
19554 \bidi@undef\scr@dte@def@l@largetocline
19555 \bidi@undef\scr@dte@largetocline@init
19556 \DeclareTOCEntryStyle{largetocline}[%
19557 \DefineTOCEntryLengthOption{indent}%
19558 {scr@tso@}{@indent}{entry indent}%
19559 \@ifundefined{#1tocdepth}{%
19560 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19561 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19562 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19563 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19564 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19565 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19566 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19567 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19568 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19569 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19570 \csname #1numdepth\endcsname
19571 }%
19572 }%
19573 }%
19574 }%
19575 }%
19576 }%
19577 }%
19578 }%
19579 }%
19580 }{}%
19581 \@ifundefined{scr@tso@#1@indent}{%
19582 \@ifundefined{scr@#1@tocindent}{%
19583 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19584 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19585 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19586 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%

```



```

19587 \scr@ifundefinedorrelax{l@chapter}{%
19588 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19589 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19590 \ifstr{#1}{subsubsection}{%
19591 \@namedef{scr@tso@#1@indent}{3.8em}%
19592 }{%
19593 \ifstr{#1}{paragraph}{%
19594 \@namedef{scr@tso@#1@indent}{7em}%
19595 }{%
19596 \ifstr{#1}{subparagraph}{%
19597 \@namedef{scr@tso@#1@indent}{10em}%
19598 }{%
19599 }%
19600 }%
19601 }%
19602 }%
19603 }%
19604 }{%
19605 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19606 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19607 \ifstr{#1}{subsubsection}{%
19608 \@namedef{scr@tso@#1@indent}{7.0em}%
19609 }{%
19610 \ifstr{#1}{paragraph}{%
19611 \@namedef{scr@tso@#1@indent}{10em}%
19612 }{%
19613 \ifstr{#1}{subparagraph}{%
19614 \@namedef{scr@tso@#1@indent}{12em}%
19615 }{%
19616 }%
19617 }%
19618 }%
19619 }%
19620 }%
19621 }%
19622 }%
19623 }%
19624 }%
19625 }%
19626 }{%
19627 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19628 }%
19629 }{}%
19630 }]%
19631 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19632 \ifnum \@nameuse{#1tocdepth}<\@ne
19633 \scr@ifundefinedorrelax{chapter}{%
19634 \addpenalty\@secpenalty
19635 \addvspace{2.25em \@plus\p@}%
19636 }{%

```



```

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

```



```

19687         \renewcommand\reserved@a{\raggedright}%
19688         \expandafter\ifx\cename ragged#1entry\endcsname\reserved@a
19689         \addtolength\bidirightskip\@flushglue
19690     \fi
19691 \fi
19692 \fi
19693 \leavevmode
19694 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19695 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19696     \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
19697     \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19698     \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19699 \fi
19700 }%
19701 }{}%
19702 \advance\bidileftskip \@tempdima
19703 \null\nobreak\hskip -\bidileftskip
19704 {%
19705     \usetocbasicnumberline
19706     \let\scr@dte@numberline@box\numberline@box
19707     \def\numberline@box##1{%
19708         \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19709     \global\scr@dte@tocline@numberwidth
19710     \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19711     \ifdim \scr@dte@tocline@numberwidth
19712         >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19713         \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19714 \fi
19715 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
19716 \ifdim \scr@dte@tocline@numberwidth
19717     >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19718     +\@nameuse{scr@tso@#1@numsep}\relax
19719 \PackageWarning{tocbasic}%
19720 }{%
19721     number width of #1 toc entries should be
19722     increased!\MessageBreak
19723     Currently used number width =
19724     \the\wd\scr@dte@tocline@numbox,\MessageBreak
19725     Wanted number separation
19726     \space\space\space =
19727     \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19728     Reserved number width \space\space\space\space\space\space =
19729     \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19730 }%
19731 \fi
19732 }%
19733 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19734 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19735     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidileftskip
19736 }{}%

```



```

19737     }%
19738     \@nameuse{scr@tso@#1@entryformat}{%
19739         #2%
19740         \nobreak
19741         {%
19742             \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
19743             \nobreak
19744             \@nameuse{scr@tso@#1@pagenumberbox}{%
19745                 \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
19746             }%
19747         }%
19748     \@par
19749 }%
19750 }%
19751 }%
19752 \tocbasic@SetPenaltyByTOCLevel{#1}%
19753 \fi
19754 }
19755
19756 \bidi@undef\scr@dte@def@1@tocline
19757 \bidi@undef\scr@dte@tocline@init
19758 \DeclareTOCEntryStyle{tocline}{%
19759     \DefineTOCEntryLengthOption{beforeskip}%
19760     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19761     \DefineTOCEntryIfOption{breakafternumber}%
19762     {scr@tso@}{@breakafternumber}{line break after number flag}%
19763     \DefineTOCEntryIfOption{dynnumwidth}%
19764     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19765     \DefineTOCEntryCommandOption{entryformat}%
19766     {scr@tso@}{@entryformat}[1]{entry format}%
19767     \DefineTOCEntryCommandOption{entrynumberformat}%
19768     {scr@tso@}{@numberformat}[1]{entry number format}%
19769     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19770     {scr@tso@}{@linefill}{filling between text and page number}%
19771     \DefineTOCEntryLengthOption{numsep}%
19772     {scr@tso@}{@numsep}{entry number separation}%
19773     \DefineTOCEntryCommandOption{onstarthigherlevel}%
19774     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19775     \DefineTOCEntryCommandOption{onstartlowerlevel}%
19776     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19777     \DefineTOCEntryCommandOption{onstartsamelevel}%
19778     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19779     \DefineTOCEntryCommandOption{pagenumberbox}%
19780     {scr@tso@}{@pagenumberbox}[1]{page number box}%
19781     \DefineTOCEntryCommandOption{pagenumberformat}%
19782     {scr@tso@}{@pagenumberformat}[1]{page number format}%
19783     \DefineTOCEntryOption{raggedentrytext}[true]{%
19784         \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
19785         \ifx\FamilyKeyState\FamilyKeyStateProcessed
19786             \if@tempswa

```



```

19787         \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19788         \raggedright
19789     \else
19790         \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19791         \relax
19792     \fi
19793 \fi
19794 }%
19795 \DefineTOCEntryIfOption{raggedpagenumber}%
19796 {scr@tso@}{@raggedpage}{page number ragged flag}%
19797 \DefineTOCEntryLengthOption{indent}%
19798 {scr@tso@}{@indent}{entry indent}%
19799 \DefineTOCEntryLengthOption{numwidth}%
19800 {scr@tso@}{@numwidth}{entry number width}%
19801 \scr@ifundefinedorrelax{#1tocdepth}{%
19802     \ifstrstart{#1}{sub}{%
19803         \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19804             \expandafter\edef\csname #1tocdepth\endcsname{%
19805                 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19806             }%
19807         }%
19808     }{}%
19809 }{}%
19810 \@ifundefined{#1tocdepth}{%
19811     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19812         \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19813             \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19814                 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19815                     \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19816                         \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19817                             \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19818                                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19819                                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19820                                         \expandafter\let\csname #1tocdepth\endcsname
19821                                         \csname #1numdepth\endcsname
19822                                     }%
19823                                 }%
19824                             }%
19825                         }%
19826                     }%
19827                 }%
19828             }%
19829         }%
19830     }%
19831 }{}%
19832 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19833     \@ifundefined{scr@#1@tocindent}{%
19834         \ifstrstart{#1}{sub}{%
19835             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19836                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%

```





```

19837         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19838             \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
19839             \relax
19840         }%
19841     }%
19842 }{%
19843     \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@numwidth}{%
19844         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19845             \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
19846             \relax
19847         }%
19848     }{%
19849         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19850             \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
19851             +\noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
19852             \relax
19853         }%
19854     }%
19855 }%
19856 }{}%
19857 }{%
19858     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19859 }%
19860 }{}%
19861 \ifundefined{scr@tso@#1@indent}{%
19862     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19863         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19864             \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19865                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19866                     \scr@ifundefinedorrelax{l@chapter}{%
19867                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19868                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19869                                 \ifstr{#1}{subsubsection}{%
19870                                     \@namedef{scr@tso@#1@indent}{3.8em}%
19871                                 }{%
19872                                     \ifstr{#1}{paragraph}{%
19873                                         \@namedef{scr@tso@#1@indent}{7em}%
19874                                     }{%
19875                                         \ifstr{#1}{subparagraph}{%
19876                                             \@namedef{scr@tso@#1@indent}{10em}%
19877                                         }{%
19878                                             }%
19879                                         }%
19880                                     }%
19881                                 }%
19882                             }%
19883                         }{%
19884                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19885                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19886                                     \ifstr{#1}{subsubsection}{%

```



```

19887         \@namedef{scr@tso@#1@indent}{7.0em}%
19888     }{%
19889         \ifstr{#1}{paragraph}{%
19890             \@namedef{scr@tso@#1@indent}{10em}%
19891         }{%
19892             \ifstr{#1}{subparagraph}{%
19893                 \@namedef{scr@tso@#1@indent}{12em}%
19894             }{%
19895             }%
19896         }%
19897     }%
19898 }%
19899 }%
19900 }%
19901 }%
19902 }%
19903 }%
19904 }%
19905 }{}%
19906 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19907     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19908         \ifstrstart{#1}{sub}{%
19909             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19910                 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19911                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19912                     +.9em%
19913                 }%
19914             }%
19915         }%
19916     }{}%
19917 }{%
19918     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19919 }%
19920 }{}%
19921 \@ifundefined{scr@tso@#1@numwidth}{%
19922     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19923     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19924     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19925     \scr@ifundefinedorrelax{chapter}{%
19926     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19927     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19928     \ifstr{#1}{subsubsection}{%
19929         \@namedef{scr@tso@#1@numwidth}{3.2em}%
19930     }%
19931     \ifstr{#1}{paragraph}{%
19932         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19933     }{%
19934     \ifstr{#1}{subparagraph}{%
19935         \@namedef{scr@tso@#1@numwidth}{5m}%
19936     }{%

```



```

19937         }%
19938     }%
19939 }%
19940 }%
19941 }%
19942 }{%
19943     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19944     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19945     \ifstr{#1}{subsubsection}{%
19946     \@namedef{scr@tso@#1@numwidth}{3.1em}%
19947     }{%
19948     \ifstr{#1}{paragraph}{%
19949     \@namedef{scr@tso@#1@numwidth}{5em}%
19950     }{%
19951     \ifstr{#1}{subparagraph}{%
19952     \@namedef{scr@tso@#1@numwidth}{6em}%
19953     }{%
19954     }%
19955     }%
19956     }%
19957     }%
19958     }%
19959     }%
19960     }%
19961     }%
19962     }%
19963 }{}%
19964 \expandafter\renewcommand%
19965 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19966 \expandafter\renewcommand%
19967 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19968 \expandafter\renewcommand%
19969 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19970 \@ifundefined{scr@tso@#1@beforeskip}{%
19971     \ifstr{#1}{part}{%
19972     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19973     }{%
19974     \ifstr{#1}{chapter}{%
19975     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19976     }{%
19977     \ifstr{#1}{section}{%
19978     \scr@ifundefinedorrelax{1@chapter}{%
19979     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19980     }{}%
19981     }{}%
19982     }%
19983     }%
19984     \expandafter\renewcommand\expandafter*%
19985     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19986 }{}%

```



```

19987 \ifundefined{scr@dte@#1@maxnumwidth}{%
19988   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19989   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19990 }{}%
19991 \renewcommand*{\scr@dte@donumwidth}{}%
19992 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19993 \expandafter\renewcommand\expandafter*%
19994 \csname scr@tso@#1@numsep\endcsname{.4em}%
19995 \expandafter\renewcommand%
19996 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19997 \ifstr{#1}{part}{%
19998   \expandafter\renewcommand%
19999   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
20000 }{%
20001   \ifstr{#1}{chapter}{%
20002     \expandafter\renewcommand%
20003     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20004   }{%
20005     \scr@ifundefinedorrelax{1@chapter}{%
20006       \ifstr{#1}{section}{%
20007         \expandafter\renewcommand%
20008         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20009       }{}%
20010     }{}%
20011     \expandafter\renewcommand%
20012     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
20013   }%
20014 }%
20015 \expandafter\renewcommand
20016 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
20017 \ifundefined{scr@tso@#1@linefill}{%
20018   \ifstr{#1}{part}{%
20019     \@namedef{scr@tso@#1@linefill}{\hfill}%
20020   }{%
20021     \ifstr{#1}{chapter}{%
20022       \@namedef{scr@tso@#1@linefill}{\hfill}%
20023     }{%
20024       \scr@ifundefinedorrelax{1@chapter}{%
20025         \ifstr{#1}{section}{%
20026           \@namedef{scr@tso@#1@linefill}{\hfill}%
20027         }{}
20028       }{}
20029       \expandafter\renewcommand%
20030       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20031     }%
20032   }%
20033 }{}%
20034 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
20035 \ifstr{#1}{part}{%
20036   \expandafter\renewcommand%

```



```

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

```

## 123 File tocstyle-xetex-bidi.def

```

20051 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
20052 \renewcommand*{\tocstyle@dottedtocline}[5]{%
20053 \let\numberline\tocstyle@numberline
20054 \ifnum #1>\c@tocdepth \else
20055 \if@tocstyle@penalties
20056 \begingroup
20057 \@tempcnta 20010
20058 \advance \@tempcnta by -#1
20059 \ifnum \@tempcnta>\lastpenalty
20060 \aftergroup\penalty\aftergroup\@lowpenalty
20061 \fi
20062 \endgroup
20063 \fi
20064 \edef\tocstyledepth{#1}%
20065 \tocstyle@activate@features
20066 \ifx\tocstyle@feature@entryvskip\relax
20067 \vskip \z@ \@plus.2\p@
20068 \else
20069 \addvspace{\tocstyle@feature@entryvskip}%
20070 \fi
20071 {%
20072 \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
20073 \tocstyle@feature@raggedhook
20074 \@tempdima #3\relax
20075 \@tempdimb #2\relax
20076 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20077 \ifnum #1>\z@\relax
20078 \@tempcnta #1\relax \advance\@tempcnta \m@ne
20079 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20080 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20081 \@tempdimb
20082 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20083 \advance\@tempdimb

```



```

20084         \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20085         \fi
20086     \fi
20087 \fi
20088 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20089 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20090     \ifdim \@tempdimb>
20091         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20092         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20093             @#1\endcsname{\the\@tempdimb}%
20094     \fi
20095 \else
20096     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20097         @#1\endcsname{\the\@tempdimb}%
20098 \fi
20099 \iftocstyle@autolength
20100     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20101         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20102         \relax
20103     \fi
20104     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20105         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20106         \relax
20107     \fi
20108     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20109     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20110 \else
20111     \@tempdimb #2\relax
20112     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20113 \fi
20114 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20115     \ifdim \@tempdima>
20116         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20117         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20118             @\endcsname{\the\@tempdima}%
20119     \fi
20120 \else
20121     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20122         @\endcsname{\the\@tempdima}%
20123 \fi
20124 \ifcase\tocstyle@indentstyle\relax\else
20125     \@tempdimb \z@
20126     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20127         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20128         \relax
20129     \fi
20130     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20131     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20132 \fi
20133 \advance\parindent \@tempdimb\@afterindenttrue

```



```

20134 \advance\if@RTL\rightrightskip\else\leftskip\fi \parindent
20135 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
20136 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20137 \ifx\tocstyle@feature@parfillskip\relax\else
20138 \advance\parfillskip \tocstyle@feature@parfillskip\relax
20139 \fi
20140 \interlinepenalty\@M
20141 \leavevmode
20142 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima
20143 \null\nobreak
20144 \iftocstyle@indentnotnumbered\else
20145 \hskip -\if@RTL\rightrightskip\else\leftskip\fi
20146 \fi
20147 \tocstyle@feature@entryhook
20148 {#4}\nobreak
20149 \ifx\tocstyle@feature@leaders\relax
20150 \leaders\hbox{$\m@th
20151 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
20152 \mkern \@dotsep mu$}\hfill
20153 \else
20154 \tocstyle@feature@leaders
20155 \fi
20156 \nobreak
20157 \ifx\tocstyle@feature@pagenumberbox\relax
20158 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
20159 \else
20160 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20161 \fi
20162 \par
20163 }%
20164 \iftocstyle@penalties
20165 \bgroup
20166 \@tempcnta 20009
20167 \advance\@tempcnta by -#1
20168 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
20169 \reserved@a
20170 \fi
20171 \fi}
20172 \renewcommand*{\tocstyle@numberline}[1]{%
20173 \beginngroup
20174 \ifx\tocstyle@feature@spaceafternumber\relax
20175 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
20176 \else
20177 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
20178 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20179 \fi
20180 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20181 \ifdim \@tempdima >
20182 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20183 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC

```



```

20184         @\tocstyledepth\endcsname{\the\@tempdima}%
20185     \fi
20186 \else
20187     \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20188         @\tocstyledepth\endcsname{\the\@tempdima}%
20189     \fi
20190 \endgroup
20191 \iftocstyle@indentnotnumbered
20192     \hskip -\if@RTL\rightskip\else\leftskip\fi
20193 \fi
20194 \ifcase \tocstyle@indentstyle
20195     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20196 \or
20197     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20198 \else
20199     \ifx\tocstyle@feature@spaceafternumber\relax
20200         \hbox{\tocstyle@@numberline{#1}\enskip}%
20201     \else
20202         \hbox{\tocstyle@@numberline{#1}\hskip
20203             \tocstyle@feature@spaceafternumber\relax}%
20204     \fi
20205 \fi
20206 }
20207 \AtBeginDocument{%
20208     \ifcsname l@part\endcsname
20209         \ifcsname l@chapter\endcsname
20210             \setbox\@tempboxa\vbox{\hsize\maxdimen
20211                 \l@part{\tocstyle@l@define{part}{-1}}{}}%
20212         \else
20213             \setbox\@tempboxa\vbox{\hsize\maxdimen
20214                 \l@part{\tocstyle@l@define{part}{0}}{}}%
20215         \fi
20216     \fi
20217     \ifcsname l@chapter\endcsname
20218         \setbox\@tempboxa\vbox{\hsize\maxdimen
20219             \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
20220     \fi
20221     \ifcsname l@section\endcsname
20222         \setbox\@tempboxa\vbox{\hsize\maxdimen
20223             \l@section{\tocstyle@l@define{section}{1}}{}}%
20224     \fi
20225     \ifcsname l@subsection\endcsname
20226         \setbox\@tempboxa\vbox{\hsize\maxdimen
20227             \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
20228     \fi
20229     \ifcsname l@subsubsection\endcsname
20230         \setbox\@tempboxa\vbox{\hsize\maxdimen
20231             \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
20232     \fi
20233     \ifcsname l@paragraph\endcsname

```





```

20234 \setbox\@tempboxa\vbox{\hsize\maxdimen
20235 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
20236 \fi
20237 \ifcsname l@subparagraph\endcsname
20238 \setbox\@tempboxa\vbox{\hsize\maxdimen
20239 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
20240 \fi
20241 \ifcsname l@table\endcsname
20242 \setbox\@tempboxa\vbox{\hsize\maxdimen
20243 \l@table{\tocstyle@l@define{table}{1}}{}}%
20244 \fi
20245 \ifcsname l@figure\endcsname
20246 \setbox\@tempboxa\vbox{\hsize\maxdimen
20247 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
20248 \fi
20249 \def\@tempa#1#2#3#4#5{%
20250 \ifnum #1>\c@tocdepth \else
20251 \vskip \z@ \@plus.2\p@
20252 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
20253 \parindent #2\relax\@afterindenttrue
20254 \interlinepenalty\@M
20255 \leavevmode
20256 \@tempdima #3\relax
20257 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
20258 {#4}\nobreak
20259 \leaders\hbox{$\m@th
20260 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20261 mu$}\hfill
20262 \nobreak
20263 \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
20264 \par}%
20265 \fi}%
20266 \ifx\@dottedtocline\@tempa\else
20267 \tocstyle@macrochangewarning\@dottedtocline
20268 \fi
20269 \let\tocstyle@saved@dottedtocline\@dottedtocline
20270 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
20271 \ifx\numberline\@tempa\else
20272 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
20273 \ifx\numberline\@tempa\else
20274 \tocstyle@macrochangewarning\numberline
20275 \fi
20276 \fi
20277 \let\tocstyle@saved@numberline\numberline
20278 }
20279 \renewcommand*{\tocstyle@l@define}[2]{%
20280 \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
20281 \edef\@tempa{%
20282 \noexpand\global\noexpand\let
20283 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname

```



```

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

```

## 124 File todonotes-xetex-bidi.def

```

20297 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
20298 \newif\if@bidi@todonotes@textdirection@RTL
20299 \newif\if@bidi@todonotes@figposition@right
20300 \newcommand{\@bidi@todonotes@align}{}%
20301 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20302 \newcommand{\@bidi@todonotes@textdirection}{}%
20303 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1,
20304 \ifcase\@bidi@todonotes@tempb\relax
20305 \@bidi@todonotes@textdirection@RTLtrue
20306 \let\@bidi@todonotes@textdirection\RLE
20307 \or
20308 \@bidi@todonotes@textdirection@RTLfalse
20309 \let\@bidi@todonotes@textdirection\LRE
20310 \fi}
20311 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1,
20312 \ifcase\@bidi@todonotes@tempb\relax
20313 \@bidi@todonotes@figposition@righttrue
20314 \or
20315 \@bidi@todonotes@figposition@rightfalse
20316 \fi}
20317 \if@todonotes@disabled%
20318 \else % \if@todonotes@disabled
20319 \renewcommand{\@todonotes@drawInlineNote}{%
20320 \if@todonotes@dviStyle%
20321 {\par\noindent\begin{tikzpicture}[remember picture]%
20322 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20323 \if@todonotes@authorgiven%
20324 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20325 \else%
20326 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20327 \fi
20328 {\par\noindent\begin{tikzpicture}[remember picture]%
20329 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20330 \else%

```



```

20331         {\par\noindent\begin{tikzpicture}[remember picture]%
20332             \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20333             \draw node[inline notestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
20334                 \if@todonotes@authorgiven%
20335                     {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20336                 \else%
20337                     {\noindent \@todonotes@sizecommand \@todonotes@text}%
20338                 \fi};%
20339             \end{tikzpicture}\par}%
20340         \fi}%
20341 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20342 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20343     \node [coordinate] (inText) {};%
20344 \end{tikzpicture}%
20345 \marginpar[{\% Draw note in left margin
20346     \@todonotes@drawMarginNote%
20347     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20348 }]{\% Draw note in right margin
20349     \@todonotes@drawMarginNote%
20350     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20351 }%
20352 }%
20353 \renewcommand{\@todonotes@drawMarginNote}{%
20354 \if@todonotes@dviStyle%
20355     \begin{tikzpicture}[remember picture]%
20356         \draw node[notestyle] {};%
20357     \end{tikzpicture}\\%
20358     \begin{minipage}{\@todonotes@textwidth}%
20359         \if@todonotes@authorgiven%
20360             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20361         \else%
20362             \@todonotes@sizecommand \@todonotes@text%
20363         \fi%
20364     \end{minipage}\\%
20365     \begin{tikzpicture}[remember picture]%
20366         \draw node[notestyle] (inNote) {};%
20367     \end{tikzpicture}%
20368 \else%
20369     \let\originalHbadness\hbadness%
20370     \hbadness 100000%
20371     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20372         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20373         \node(X){\vphantom{X}};%
20374         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
20375             {\@todonotes@text};%
20376         \if@todonotes@authorgiven%
20377             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
20378                 {\@todonotes@sizecommand\@todonotes@author}};%
20379         \node(Y)[below=of X]{};%
20380         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon

```



```

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

```

## 125 File wrapfig-xetex-bidi.def

```

20426 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for xetex]
20427 \let\WF@@everypar\bidi@n@everypar

```



```

20428 \def\WF@putfigmaybe{%
20429 \ifinner
20430 \vskip-\parskip \global\WF@floatfalse
20431 \let\pagetotal\maxdimen % kludge flag for "not top of page"
20432 \else % outer page
20433 \@tempdima\pagedepth % save page depth
20434 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20435 \penalty\interlinepenalty % update pg. parameters
20436 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20437 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20438 \global\WF@floatfalse
20439 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20440 \else
20441 \ifdim\WF@size>\@tempdimb
20442 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20443 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20444 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20445 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20446 \advance\dimen@.5\baselineskip
20447 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20448 \global\WF@floatfalse \pagebreak
20449 \fi
20450 \else % \WF@info{Fits in \the\@tempdimb;}%
20451 \global\WF@floatfalse
20452 \fi\fi
20453 \vskip\@tempdima\relax % (return erased page depth)
20454 \fi
20455 \noindent
20456 \ifWF@float
20457 \WF@fltmes
20458 \else % putting here;
20459 \WF@info{Put \WF@wfname here;}%
20460 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20461 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20462 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20463 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20464 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20465 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20466 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20467 \xdef\WF@adjlw{\the\@tempdima}%
20468 \ifnum `l=\WF@place % fig on left
20469 \if@RTL%
20470 \kern\@tempdimb \kern\columnsep
20471 \def\@tempa{\hss}% position to left of the gap
20472 \else%
20473 \hss % figure overlaps space to the left
20474 \def\@tempa{\kern\columnsep}% position to left of the gap
20475 \fi%
20476 \else % fig on right
20477 \if@RTL%

```



```

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

```

## 126 File xcolor-xetex-bidi.def

```

20502 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for ]
20503 \long\def\color@b@x#1#2#3%
20504 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20505 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20506 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20507 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20508 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
20509 \def\normalcolor{\let\currentcolor\defaultcolor\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20510 \DeclareRobustCommand\color
20511 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[@\undeclaredcolor\@declaredcolor]
20512 \def\@undeclaredcolor[#1]#2%
20513 {\begingroup
20514 \let\@@cls\@empty
20515 \XC@getmodclr12{#1}{#2}{}%
20516 {\ifblendcolors
20517 \ifx\colorblend\@empty\else
20518 \edef\@@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20519 \XC@coremodel\@mod\@@clr\@xcolor@{}}\@mod\@@clr
20520 \fi
20521 \fi
20522 \ifconvertcolorsU
20523 \edef\@@tmp{\XC@tgt@mod{\@mod}}%
20524 \convertcolorspec\@mod\@@clr\@@tmp\@@clr \let\@mod\@@tmp

```



```

20525 \fi
20526 \ifmaskcolors
20527   \convertcolorspec\@mod\@clr\XC@mmod\@clr
20528   \let\@mod\XC@mmod
20529   \XC@inflate\@mod\XC@mclr\@clr\@tmp
20530   \expandafter\XC@mul\@tmp,\@clr
20531 \fi
20532 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20533 \expandafter\endgroup\@tmp}}
20534 \def\@declaredcolor#1%
20535 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20536 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20537   \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20538   \ifconvertcolorsU\XC@tsttrue\fi
20539 \fi
20540 \ifXC@tst
20541   \expandafter\XC@declaredcolor\else
20542   \expandafter\XC@declaredc@lor\fi}
20543 \def\XC@undeclaredcolor#1#2%
20544 {\@ifundefinedmodel{#1}%
20545  {\c@lor@error{model `#1'}}%
20546  {\@nameuse{color@#1}\current@color{#2}%
20547   \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
20548   \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20549 \def\XC@declaredc@lor
20550 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
20551 \edef\current@color{\XC@current@color}%
20552 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20553 \DeclareRobustCommand\bidicolor
20554 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20555 \def\@bidiundeclaredcolor[#1]#2%
20556 {\begingroup
20557  \let\@cls\@empty
20558  \XC@getmodclr12{#1}{#2}{}%
20559  {\ifblendcolors
20560   \ifx\colorblend\@empty\else
20561     \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
20562     \XC@coremodel\@mod\@clr\@xcolor@{\}\@mod\@clr
20563   \fi
20564 \fi
20565 \ifconvertcolorsU
20566   \edef\@tmp{\XC@tgt@mod{\@mod}}%
20567   \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20568 \fi
20569 \ifmaskcolors
20570   \convertcolorspec\@mod\@clr\XC@mmod\@clr
20571   \let\@mod\XC@mmod
20572   \XC@inflate\@mod\XC@mclr\@clr\@tmp
20573   \expandafter\XC@mul\@tmp,\@clr
20574 \fi

```



```

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

```

## 127 File latex-xetex-bidi.def

```

20606 \ProvidesFile{latex-xetex-bidi.def}[2019/03/03 v1.3.7 bidi adaptations for `latex.ltx' for Xe
20607 \newcommand{\TeXXeTOn}{\TeXXeTstate@ne}
20608 \newcommand{\TeXXeTOff}{\TeXXeTstate@z@}
20609 \TeXXeTOn
20610 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20611 \let\bidi@o@everypar=\everypar
20612 \newtoks\bidi@n@everypar
20613 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20614 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20615 \let\everypar=\bidi@n@everypar
20616 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20617 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20618 \protected\def\hboxR{\hbox\bgroup
20619 \everyhbox{%
20620 \aftergroup\egroup
20621 \everyhbox{}}%

```





```

20622 \beginR
20623 \@hboxRconstructtrue
20624 \bgroup
20625 \aftergroup\endR
20626 \aftergroup\egroup
20627 }\hbox}
20628 \protected\def\hboxL{\hbox\bgroup
20629 \everyhbox{%
20630 \aftergroup\egroup
20631 \everyhbox{}}%
20632 \beginL
20633 \@hboxRconstructfalse
20634 \bgroup
20635 \aftergroup\endL
20636 \aftergroup\egroup
20637 }\hbox}
20638 \protected\def\vboxR{\vbox\bgroup
20639 \everyvbox{%
20640 \aftergroup\egroup
20641 \everyvbox{}}%
20642 \@RTLtrue
20643 \@RTLtabtrue
20644 \bgroup
20645 \aftergroup\egroup
20646 }\vbox}
20647 \protected\def\vboxL{\vbox\bgroup
20648 \everyvbox{%
20649 \aftergroup\egroup
20650 \everyvbox{}}%
20651 \@RTLfalse
20652 \@RTLtabfalse
20653 \bgroup
20654 \aftergroup\egroup
20655 }\vbox}
20656 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
20657 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
20658 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20659 \def\endLTR{\par}
20660 \newenvironment{LTR*}{\LTR
20661 \everypar{%
20662 {\setbox\z@\lastbox
20663 \ifvoid\z@
20664 \kern-\parindent
20665 \fi}%
20666 }%
20667 }{\endLTR\@endpetrue}
20668 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20669 \def\endRTL{\par}
20670 \newenvironment{RTL*}{\RTL
20671 \everypar{%

```



```

20672     {\setbox\z@\lastbox
20673       \ifvoid\z@
20674         \kern-\parindent
20675       \fi}%
20676   }%
20677 }{\endRTL\@endpetrue}
20678 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue}
20679 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse}
20680 \let\unsetRTL=\setLTR
20681 \let\unsetLTR=\setRTL
20682 \let\LR=\LRE
20683 \let\RL=\RLE
20684 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20685 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20686 \let\@ensure@RL=\@ensure@RTL
20687 \let\@ensure@LR=\@ensure@LTR
20688 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20689 \let\@ensure@maindir=\@ensure@dir
20690 \def\@RTL{RTL}
20691 \def\@LTR{LTR}
20692 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
20693 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi\fi}
20694 \let\@TeX\TeX
20695 \def\TeX{\@ensure@LTR{\@TeX}}
20696 \let\@LaTeX\LaTeX
20697 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
20698 \let\@LaTeXe\LaTeXe
20699 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
20700 \long\def\@bidi@reflect@box#1{%
20701   \leavevmode
20702   \setbox\z@\hbox{#{#1}}%
20703   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20704   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20705 }
20706 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20707   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20708 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20709   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
20710 \let\setRL=\setRTL
20711 \let\setLR=\setLTR
20712 \let\unsetRL=\setLTR
20713 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20714 \ifpackageloaded{array}{%
20715   \def\@bidi@tabular@RTLcases{\@RTL@tabtrue%
20716     \leavevmode
20717     \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
20718       \let\dollarend\endgroup
20719     \@tabarray}
20720 \def\@endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20721 }{%

```



```

20722 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20723 \leavevmode \hbox \bgroup
20724 $\left.\let\@acol\@tabacol
20725 \let\@classz\@tabclassz
20726 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20727
20728 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20729 \egroup\right\rbrace $\egroup}}
20730 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20731 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
20732 \renewenvironment{RTLcases}{%
20733 \bidi@matrix@check\RTLcases\env@RTLcases
20734 }{%
20735 \endbidi@tabular@RTLcases%
20736 }
20737 \def\env@RTLcases{%
20738 \let\@ifnextchar\bidi@new@ifnextchar
20739 \def\arraystretch{1.2}%
20740 \bidi@tabular@RTLcases{\@{}r{\quad}r{}}%
20741 }
20742 \def\SepMark#1{\gdef\@SepMark{#1}}
20743 \SepMark{.}
20744 \def\@thmcountersep{\@SepMark}
20745 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20746 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20747 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20748 \newcommand*\@bidi@thebibliography@font@hook{}
20749 \def\list#1#2{%
20750 \ifnum \@listdepth >5\relax
20751 \toodeep
20752 \else
20753 \global\advance\@listdepth\@ne
20754 \fi
20755 \rightmargin\z@
20756 \listparindent\z@
20757 \itemindent\z@
20758 \csname @list\romannumeral\the\@listdepth\endcsname
20759 \def\@itemlabel{#1}%
20760 \let\makelabel\@mklab
20761 \@nmbrrlistfalse
20762 #2\relax
20763 \@trivlist
20764 \parskip\parsep
20765 \parindent\listparindent
20766 \advance\linewidth -\rightmargin
20767 \advance\linewidth -\leftmargin
20768 \if@bidi@list@minipage@parbox
20769 \if@RTL
20770 \advance\@totalleftmargin \leftmargin
20771 \else

```



```

20772 \advance\@totalleftmargin \rightmargin
20773 \fi
20774 \else
20775 \if@hboxRconstruct
20776 \if@bidi@list@minipage@parbox@not@nob
20777 \if@RTL
20778 \advance\@totalleftmargin \rightmargin
20779 \else
20780 \advance\@totalleftmargin \leftmargin
20781 \fi
20782 \else
20783 \if@RTL
20784 \advance\@totalleftmargin \leftmargin
20785 \else
20786 \advance\@totalleftmargin \rightmargin
20787 \fi\fi
20788 \else
20789 \if@RTL
20790 \advance\@totalleftmargin \rightmargin
20791 \else
20792 \advance\@totalleftmargin \leftmargin
20793 \fi\fi\fi
20794 \parshape \@ne \@totalleftmargin \linewidth
20795 \ignorespaces}
20796 \long\def\@iiiparbox#1#2[#3]#4#5{%
20797 \leavevmode
20798 \@pboxswfalse
20799 \if@hboxRconstruct
20800 \@bidi@list@minipage@parbox@not@nobtrue
20801 \fi
20802 \if@RTL
20803 \ifx#1t%
20804 \@bidi@list@minipage@parboxtrue
20805 \else
20806 \ifx#1b%
20807 \@bidi@list@minipage@parboxtrue
20808 \fi
20809 \fi
20810 \fi
20811 \setlength\@tempdima{#4}%
20812 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20813 \ifx\relax#2\else
20814 \setlength\@tempdimb{#2}%
20815 \edef\@parboxto{to\the\@tempdimb}%
20816 \fi
20817 \if#1b\vbox
20818 \else\if #1t\vtop
20819 \else\ifmode\vcenter
20820 \else\@pboxswtrue $\vcenter
20821 \fi\fi\fi

```



```

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

```



```

20872 \def\centerline#1{%
20873 \if@RTL\@line{\hss\beginR#1\endR\hss}
20874 \else\@line{\hss#1\hss}\fi}
20875 \def\leftline#1{%
20876 \if@RTL\@line{\beginR#1\endR\hss}
20877 \else\@line{#1\hss}\fi}
20878 \def\rightline#1{%
20879 \if@RTL\@line{\hss\beginR#1\endR}
20880 \else\@line{\hss#1}\fi}
20881 \let\bidiorig@leftline\leftline
20882 \let\bidiorig@rightline\rightline
20883 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\i
20884 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
20885 \def\bidirlap#1{\hbext@z@\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20886 \def\bidillap#1{\hbext@z@\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20887 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20888 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20889 \def\narrower{%
20890 \advance\if@RTL\righskip\else\leftskip\fi\parindent
20891 \advance\if@RTL\leftskip\else\righskip\fi\parindent}
20892 \def\underline#1{%
20893 \relax
20894 \ifmmode\@underline{#1}%
20895 \else
20896 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20897 \else
20898 $\@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20899 \if@compatibility
20900 \let\underline=\underline
20901 \fi
20902 \def\@tabular{%
20903 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20904 $\let\@acol\@tabacol
20905 \let\@classz\@tabclassz
20906 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20907 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20908 \egroup $\if@RTLtab\endR\fi\egroup}
20909 \expandafter \let \csname endtabular*\endcsname = \endtabular
20910 \def\@array[#1]#2{%
20911 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20912 \bgroup
20913 \setbox\@arstrutbox\hbox{%
20914 \vrule \@height\arraystretch\ht\strutbox
20915 \@depth\arraystretch \dp\strutbox
20916 \@width\z@}%
20917 \mkpream{#2}%
20918 \edef\@preamble{%
20919 \ialign \noexpand\@halignto
20920 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20921 \let\@startpbox\@startpbox \let\@endpbox\@endpbox

```



```

20922 \let\tabularnewline\\%
20923 \let\par\@empty
20924 \let\@sharp##%
20925 \set@typeset@protect
20926 \lineskip\z@skip\baselineskip\z@skip
20927 \ifhmode \@preamerr\z@ \@par\fi
20928 \ifRTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20929 \preamble}
20930 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20931 \let\@classiv\@arrayclassiv
20932 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20933 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20934 \ifnum \@lastchclass=3 5 \else
20935 \z@ \if #1c\@cnum \z@ \else
20936 \if \ifRTLtab#1r\else#1l\fi\@cnum \@ne \else
20937 \if \ifRTLtab#1l\else#1r\fi\@cnum \tw@ \else
20938 \@chclass \if #1|\@ne \else
20939 \if #1@\tw@ \else
20940 \if #1p3 \else \z@ \@preamerr 0\fi
20941 \fi \fi \fi \fi \fi \fi
20942 \fi}
20943 \def\bm@l{\ifRTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20944 \def\bm@r{\ifRTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20945 \def\bm@t{\unhbox\@tempboxa\hss}
20946 \def\bm@b{\hss\unhbox\@tempboxa}
20947 \def\@dottedtocline#1#2#3#4#5{%
20948 \ifnum #1>\c@tocdepth \else
20949 \vskip \z@ \@plus.2\p@
20950 {\ifRTL\rightskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\rightskip\fi \@tocmargin
20951 \parindent #2\relax\@afterindenttrue
20952 \interlinepenalty\@M
20953 \leavevmode
20954 \@tempdima #3\relax
20955 \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\right
20956 {#4}\nobreak
20957 \leaders\hbox{$\m@th
20958 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20959 mu$}\hfill
20960 \nobreak
20961 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20962 \par}%
20963 \fi}
20964
20965 \newcount\@bidi@column@check@number
20966
20967 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
20968
20969 \def\@bidi@set@column@status#1#2{%
20970 \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
20971

```



```

20972 \if@twocolumn
20973 \newcommand\DetectColumn[3][1]{%
20974 \ifx\bid@firstcolumn@status@write\relax
20975   \PackageError{bidi}%
20976     {Option 'DetectColumn' not selected}%
20977     {\string\DetectColumn\space
20978       requires the use of the 'DetectColumn'
20979       option on the package}%
20980 \fi
20981 \global\advance\bid@column@check@number\@ne
20982 \edef\bid@column@type{\expandafter\ifx
20983   \csname bid@column-\the\bid@column@check@number\endcsname\relax
20984   0\else
20985   \csname bid@column-\the\bid@column@check@number\endcsname
20986   \fi}%
20987 \ifcase \bid@column@type\relax
20988   \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20989 \or
20990   #2% % 1 First column
20991 \or
20992   #3% % 2 Second (Last column)
20993 \else
20994   \ERROR
20995 \fi
20996 \edef\next{\write\@auxout
20997   {\string\bid@set@column@status{\bid@column-\the\bid@column@check@number}%
20998     {\bid@column@type}}}%
20999 \next
21000 }
21001
21002 \AtEndDocument{\def\bid@set@column@status#1#2{%
21003   \ifnum #2=\bid@current@column@status\else
21004     \@tempwatrue
21005   \fi}%
21006 }
21007 \fi
21008
21009 \def\RTL@outputdblcol{%
21010 \if@firstcolumn
21011   \global\@firstcolumnfalse
21012   \global\setbox\@leftcolumn\copy\@outputbox
21013   \splitmaxdepth\maxdimen
21014   \vbadness\maxdimen
21015   \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21016   \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21017   \toks@\expandafter{\topmark}%
21018   \xdef\@firstcoltopmark{\the\toks@}%
21019   \toks@\expandafter{\splitfirstmark}%
21020   \xdef\@firstcolfirstmark{\the\toks@}%
21021   \ifx\@firstcolfirstmark\@empty

```





```

21022     \global\let\@setmarks\relax
21023   \else
21024     \gdef\@setmarks{%
21025       \let\firstmark\@firstcolfirstmark
21026       \let\topmark\@firstcoltopmark}%
21027   \fi
21028 \else
21029   \global\@firstcolumntrue
21030   \setbox\@outputbox\vbox{%
21031     \hb@xt@\textwidth{%
21032       \hskip \columnwidth
21033       \hfil
21034       {\normalcolor\vrule \@width\columnseprule}%
21035       \hfil
21036       \hb@xt@\columnwidth{%
21037         \bidi@firstcolumn@status@write%
21038         \box\@leftcolumn \hss}%
21039       \hskip -\textwidth
21040       \hb@xt@\columnwidth{%
21041         \bidi@lastcolumn@status@write%
21042         \box\@outputbox \hss}%
21043       \hskip \columnsep
21044       \hskip \columnwidth }}%
21045   \@combinedblfloats
21046   \@setmarks
21047   \@outputpage
21048   \beginingroup
21049     \@dblfloatplacement
21050     \@startdblcolumn
21051     \@whilesw\if@fcolmade \fi{\@outputpage
21052       \@startdblcolumn}%
21053   \endgroup
21054 \fi}%
21055
21056 \def\LTR@outputdblcol{%
21057   \if@firstcolumn
21058     \global\@firstcolumnfalse
21059     \global\setbox\@leftcolumn\copy\@outputbox
21060     \splitmaxdepth\maxdimen
21061     \vbadness\maxdimen
21062     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21063     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21064     \toks@\expandafter{\topmark}%
21065     \xdef\@firstcoltopmark{\the\toks@}%
21066     \toks@\expandafter{\splitfirstmark}%
21067     \xdef\@firstcolfirstmark{\the\toks@}%
21068     \ifx\@firstcolfirstmark\@empty
21069       \global\let\@setmarks\relax
21070     \else
21071       \gdef\@setmarks{%

```



```

21072      \let\firstmark\@firstcolfirstmark
21073      \let\topmark\@firstcoltopmark}%
21074  \fi
21075  \else
21076    \global\@firstcolumntrue
21077    \setbox\@outputbox\vbox{%
21078      \hb@xt@\textwidth{%
21079        \hb@xt@\columnwidth{%
21080          \bidi@firstcolumn@status@write%
21081          \box\@leftcolumn \hss}%
21082        \hfil
21083        {\normalcolor\vrule \@width\columnseprule}%
21084        \hfil
21085        \hb@xt@\columnwidth{%
21086          \bidi@lastcolumn@status@write%
21087          \box\@outputbox \hss}}}%
21088  \@combinedblfloats
21089  \@setmarks
21090  \@outputpage
21091  \begingroup
21092    \@dblfloatplacement
21093    \@startdblcolumn
21094    \@whiles\if@fcolmade \fi{\@outputpage
21095      \@startdblcolumn}%
21096  \endgroup
21097  \fi}%
21098
21099
21100 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21101 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21102 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21103
21104 \bidi@patchcmd\@makecol{%
21105   \ifvoid\footins
21106     \setbox\@outputbox \box\@cclv
21107   \else
21108     \setbox\@outputbox \vbox {%
21109       \boxmaxdepth \@maxdepth
21110       \unvbox \@cclv
21111       \vskip \skip\footins
21112       \color@begingroup
21113         \normalcolor
21114         \footnoterule
21115         \unvbox \footins
21116       \color@endgroup
21117     }%
21118   \fi
21119 }{%
21120   \ifvoid\footins
21121     \ifvoid\@bidi@copyins@

```



```

21122     \setbox\@outputbox \box\@cclv
21123   \else
21124     \setbox\@outputbox \vbox {%
21125       \boxmaxdepth \@maxdepth
21126       \unvbox \@cclv
21127       \vskip \skip\@bidi@copyins@
21128       \color@begingroup
21129         \normalcolor
21130         \unvbox \@bidi@copyins@
21131       \color@endgroup
21132     }%
21133   \fi
21134 \else
21135   \setbox\@outputbox \vbox {%
21136     \boxmaxdepth \@maxdepth
21137     \unvbox \@cclv
21138     \vskip \skip\footins
21139     \color@begingroup
21140       \normalcolor
21141       \footnoterule
21142     \unvbox \footins
21143   \color@endgroup
21144   \ifvoid\@bidi@copyins@
21145   \else
21146     \vskip \skip\@bidi@copyins@
21147     \color@begingroup
21148       \normalcolor
21149     \unvbox \@bidi@copyins@
21150   \color@endgroup
21151   \fi
21152 }%
21153 \fi
21154 }{}{}
21155
21156 \def\LTRmarginpar{%
21157   \ifhmode
21158     \@bsphack
21159     \@floatpenalty -\@Mii
21160   \else
21161     \@floatpenalty-\@Miii
21162   \fi
21163   \ifinner
21164     \@parmoderr
21165     \@floatpenalty\z@
21166   \else
21167     \@next\@currbox\@freelist{}{}%
21168     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21169     {\@floatpenalty\z@
21170      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21171   \fi

```



```

21172 \@ifnextchar [\@LTRxmpar\@LTRympar}
21173 \long\def\@LTRxmpar[#1]#2{%
21174   \@LTRsavemarbox\@marbox{#1}%
21175   \@LTRsavemarbox\@currbox{#2}%
21176   \@xympar}
21177 \long\def\@LTRympar#1{%
21178   \@LTRsavemarbox\@marbox{#1}%
21179   \global\setbox\@currbox\copy\@marbox
21180   \@xympar}
21181 \long\def \@LTRsavemarbox #1#2{%
21182   \global\setbox #1%
21183     \color@vbox
21184     \vtop{%
21185       \hsize\marginparwidth
21186       \@parboxrestore
21187       \@LTRmarginparreset
21188       #2%
21189       \@minipagefalse
21190       \outer@nobreak
21191     }%
21192   \color@endbox
21193 }
21194 \def \@LTRmarginparreset {%
21195   \reset@font
21196   \normalsize
21197   \@minipagetrue
21198   \everypar{\@minipagefalse\everypar{}\beginL}%
21199 }
21200 \def\RTLmarginpar{%
21201   \ifhmode
21202     \bsphack
21203     \@floatpenalty -\@Mii
21204   \else
21205     \@floatpenalty-\@Miii
21206   \fi
21207   \ifinner
21208     \@parmoderr
21209     \@floatpenalty\z@
21210   \else
21211     \@next\@currbox\@freelist{}\{}%
21212     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21213     {\@floatpenalty\z@
21214       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21215   \fi
21216   \@ifnextchar [\@RTLxmpar\@RTLympar}
21217 \long\def\@RTLxmpar[#1]#2{%
21218   \@RTLSavemarbox\@marbox{#1}%
21219   \@RTLSavemarbox\@currbox{#2}%
21220   \@xympar}
21221 \long\def\@RTLympar#1{%

```



```

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

```



```

21272 \global \dp\@marbox \z@
21273 \kern -\@pagedp
21274 \nointerlineskip
21275 \hb@xt@\columnwidth
21276 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
21277 \hskip\columnwidth \hskip\marginparsep
21278 \else
21279 \hskip -\marginparsep \hskip -\marginparwidth
21280 \fi
21281 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
21282 \nointerlineskip
21283 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21284 \long\def\@ympar#1{%
21285 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
21286 \global\setbox\@currbox\copy\@marbox
21287 \@xympar}
21288 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21289 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
21290 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21291 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21292 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21293 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21294 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21295 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21296 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
21297 \fi}
21298
21299 \newcommand*{\bidi@font@@@outputpage}{}
21300
21301 \def\@outputpage{%
21302 \begingroup % the \endgroup is put in by \aftergroup
21303 \let \protect \noexpand
21304 \@resetactivechars
21305 \global\let\@@if@newlist\if@newlist
21306 \global\@newlistfalse
21307 \@parboxrestore
21308 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
21309 \bidi@beforeoutputpageshipouthook
21310 \shipout \vbox{%
21311 \set@typeset@protect
21312 \aftergroup \endgroup
21313 \aftergroup \set@typeset@protect
21314 % correct? or just restore by ending
21315 % the group?
21316 \if@specialpage
21317 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
21318 \fi
21319 \if@twoside
21320 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21321 \if@RTLmain

```



```

21322         \let\@themargin\evensidemargin
21323     \else
21324         \let\@themargin\oddsidemargin
21325     \fi
21326 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21327     \if@RTLmain
21328         \let\@themargin\oddsidemargin
21329     \else
21330         \let\@themargin\evensidemargin
21331     \fi
21332 \fi
21333 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21334 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21335 \else %% not @twoside
21336     \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21337     \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21338 \fi
21339 \reset@font
21340 \normalsize
21341 \bidi@font@@outputpage
21342 \normalsfcodes
21343 \let\label\@gobble
21344 \let\index\@gobble
21345 \let\glossary\@gobble
21346 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21347 \begin@dv
21348 \vskip \topmargin
21349 \moveright\@themargin \vbox {%
21350     \global\let\@bidi@BeforeHeader\@firstofone
21351     \bidi@beforeheaderhook
21352     \setbox\@tempboxa \vbox to\headheight{%
21353         \vfil
21354         \color@hbox
21355         \normalcolor
21356         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
21357         \color@endbox
21358     }%
21359     \dp\@tempboxa \z@
21360     \box\@tempboxa
21361     \vskip \headsep
21362     \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
21363     \bidi@beforeoutputboxoutputpagehook
21364     \box\@outputbox
21365     \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
21366     \bidi@afteroutputboxoutputpagehook
21367     \global\let\@bidi@BeforeFooter\@firstofone
21368     \bidi@beforefooterhook
21369     \baselineskip \footskip
21370     \color@hbox
21371     \normalcolor

```



```

21372      \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
21373      \color@endbox
21374      \global\let\bid@AfterFooter\@firstofone
21375      \bid@afterfooterhook
21376      }%
21377      }%
21378      \global\let\bid@AfterOutputPageShipOut\@firstofone
21379      \bid@afteroutputpageshipouthook
21380      \global\let\if@newlist\@if@newlist
21381      \global \colht \textheight
21382      \stepcounter{page}%
21383      \let\firstmark\botmark
21384      \global\let\bid@AtEndOutputPage\@firstofone
21385      \bid@atendoutputpagehook
21386  }
21387  \long\def\@makecaption#1#2{%
21388    \vskip\abovecaptionskip
21389    \sbox\@tempboxa{#1: #2}%
21390    \ifdim \wd\@tempboxa >\hsize
21391      \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21392    \else
21393      \global \minipagefalse
21394      \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21395      \fi
21396      \vskip\belowcaptionskip}
21397  \let\bid@saved@eqno=\eqno
21398  \let\bid@saved@leqno=\leqno
21399  \def\eqno{\ifnum\predisplaydirection<\z@ \bid@saved@leqno \else \bid@saved@eqno \fi}
21400  \def\leqno{\ifnum\predisplaydirection<\z@ \bid@saved@eqno \else \bid@saved@leqno \fi}
21401  \@ifpackageloaded{amsmath}{}{}
21402  \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
21403  }
21404  \input{footnote-xetex-bidi.def}
21405  \if@twocolumn
21406    \let\autofootnoterule\relax
21407    \let\leftfootnoterule\relax
21408    \let\rightfootnoterule\relax
21409    \textwidthfootnoterule
21410  \fi
21411  \if@bidi@csundef{@idxitem}{}{%
21412    \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
21413  }
21414  \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21415  \@ifclassloaded{article}{\@ifclassloaded{svmult}}{}{\input{article-xetex-bidi.def}}{}
21416  \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21417  \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21418  \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21419  \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21420  \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21421  \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}

```





```

21422 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21423 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21424 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21425 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21426 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21427 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{\input{report-xetex-bidi.def}}{}}{}
21428 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21429 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21430 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21431 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21432 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21433 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21434 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21435 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21436 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21437 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{\input{book-xetex-bidi.def}}{}}{}
21438 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21439 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21440 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21441 \@ifpackageloaded{amsmath}{\%
21442 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21443 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21444 }
21445 \@ifpackageloaded{mathtools}{\%
21446 \RequirePackage{graphicx}%
21447 \input{mathtools-xetex-bidi.def}%
21448 }{}
21449 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21450 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21451 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21452 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21453 \@ifpackagewith{algorithm2e}{algonl}{\%
21454 \renewcommand{\theAlgoLine}{\expandafter\cename the\algocf@float\endcsname\@SepMark\arabic{Algo}}{}
21455 }{}
21456 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21457 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
21458 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
21459 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21460 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21461 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21462 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21463 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21464 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21465 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21466 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21467 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
21468 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21469 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21470 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21471 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}

```



```

21472 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21473 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}
21474 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21475 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21476 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21477 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21478 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21479 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21480 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21481 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21482 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21483 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21484 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21485 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21486 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21487 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21488 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21489 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21490 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21491 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21492 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21493 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21494 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21495 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21496 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21497 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21498 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21499 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21500 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21501 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21502 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21503 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21504 \iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21505 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21506 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21507 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21508 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21509 \@ifpackagewith{sidecap}{innercaption}{%
21510 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21511 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21512 \renewcommand*{\SC@justify@caption{%
21513 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21514 \renewcommand*{\SC@FLOAT}[2]{%
21515 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21516 \renewcommand*{\SC@justify@caption{%
21517 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21518 }{}
21519 \@ifpackagewith{sidecap}{rightcaption}{%
21520 \if@RTL\renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
21521 \def\SC@justify@caption{\RaggedLeft}\else%

```



```

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

```

## 128 File xltextra-xetex-bidi.def

```

21554 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21555 \let\@XeTeX\XeTeX
21556 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21557 \let\@XeLaTeX\XeLaTeX
21558 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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\) ..... 13847	..... 3982, 3999	20572, 20575, 20594
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16335, 16378,	..... 4027, 4042	15739, 16330,
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\@@H@@mpfootnotetext	\@@line ..... 9147,	..... 20745, 20747
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\@@HLTR@@mpLTRfootnotetext	20874, 20876,	\@LTRbidityftesidenotemarginparreset
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