



# The bidi Package

Source documentation for version 35.2

to my Master, *Ferdowsi The Great*

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

<https://github.com/bidirtex/bidi/issues>

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

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# The *bid* Package

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

Source documentation for [version 35.2](#)

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



```

379 \advance \@tempdima by\extrarowheight
380 \setbox \@arstrutbox \hbox{\vrule
381     \@height \arraystretch \@tempdima
382     \@depth \arraystretch \dp \strutbox
383     \@width \z@}%
384 \begingroup
385 \mkpream{#2}%
386 \xdef\@preamble{\noexpand \ialign \@halignto
387     \bgroup \@arstrut \@preamble
388     \tabskip \z@ \cr}%
389 \endgroup
390 \@arrayleft
391 \if #1t\top \else \if#1b\box \else \vcenter \fi \fi
392 \bgroup
393 \let \@sharp ##\let \protect \relax
394 \lineskip \z@
395 \baselineskip \z@
396 \m@th
397 \let\\ \@arraycr \let\tabularnewline\\ \let\par \@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRcor
398 \def\@tabarray{\@ifnextchar[\@array]{\@array[c]}}
399 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
400 \def\array{\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\righskip\else\leftskip\fi\@tempdima
527     \hskip -\if@RTL\righskip\else\leftskip\fi
528     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
529     \endgroup
530 \fi}
531 \renewcommand\left@footnoterule{%
532     \kern-3\p@
533     \hrule\@width.4\columnwidth
534     \kern2.6\p@}
535 \renewcommand\right@footnoterule{%
536     \kern-3\p@
537     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
538     \kern2.6\p@}
539 \renewcommand\thesubsection    {\thesection\@SepMark\@arabic\c@subsection}
540 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
541 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\c@paragraph}
542 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
543 \def\@part[#1]#2{%
544     \ifnum \c@secnumdepth >\m@ne
545         \refstepcounter{part}%
546         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
547     \else
548         \addcontentsline{toc}{part}{#1}%
549     \fi
550     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
551     \interlinepenalty \@M
552     \normalfont
553     \ifnum \c@secnumdepth >\m@ne
554         \Large\bfseries \partname\nobreakspace\thepart
555         \par\nobreak
556     \fi
557     \huge \bfseries #2%
558     \markboth{}{}\par}%
559     \nobreak
560     \vskip 3ex
561     \@afterheading}
562 \renewenvironment{thebibliography}[1]
563     {\section*{\refname}%
564     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
565     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
566     \bidi@thebibliography@font@hook%
567     \list{\@biblabel{\@arabic\c@enumiv}}%
568         {\settowidth\labelwidth{\@biblabel{#1}}%
569         \leftmargin\labelwidth
570         \advance\leftmargin\labelsep
571         \@openbib@code
572         \usecounter{enumiv}%
573         \let\p@enumiv\@empty
574         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
575     \sloppy

```





```

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

```

## 10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 11 File artikel2-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

970         \usecounter{enumiv}%
971         \let\p@enumiv\@empty
972         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
973     \sloppy\clubpenalty4000\widowpenalty4000%
974     \sfcode`\.\@m}
975     {\def\@noitemerr
976      {\@latex@warning{Empty `thebibliography' environment}}}%
977     \endlist}
978 \if@titlepage
979 \renewcommand*\TitleFont{\rmfamily}
980 \renewcommand*\maketitle{%
981 \begin{titlepage}%
982     \let\footnotesize\small
983     \let\right@footnoterule\relax
984     \let\left@footnoterule\relax
985     \let\textwidth\footnoterule\relax
986     \let \footnote \thanks
987     \long\def\@makefnmark{\parindent\z@
988         \def\labelitemi{\textendash}\@revlabeltrue
989         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
990     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
991     \if@compatibility\setcounter{page}{0}\fi
992     \null\vfil
993     \vskip 60\p@
994     \begin{center}%
995         \TitleFont
996         {\LARGE \def\\{\penalty -\@M}
997         \if@allcaps
998             \expandafter\uc@nothanks\@title\thanks\relax
999         \else
1000             \@title
1001             \fi\par}%
1002         \vskip 3em%
1003         {\large
1004             \lineskip .75em \parindent\z@
1005             \begin{tabular}[t]{c}%
1006                 \if@allcaps
1007                     \expandafter\uc@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 \ifRTLTab r\else l\fi\@ne \else
1381 \if \@nextchar \ifRTLTab l\else r\fi\tw@ \else
1382 \z@ \@chclass
1383 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1384 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1385 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1386 \if \@nextchar !6 \else
1387 \if \@nextchar @7 \else
1388 \if \@nextchar <8 \else
1389 \if \@nextchar >9 \else
1390 10
1391 \@chnum
1392 \if \@nextchar m\thr@@\else
1393 \if \@nextchar p4 \else
1394 \if \@nextchar b5 \else
1395 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1396 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1397
1398 \def\@classz{\@classx
1399 \@tempcnta \count@
1400 \prepnext@tok
1401 \@addtopreamble{\ifcase \@chnum
1402 \hfil
1403 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1404 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1405 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1406 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1407 \adl@endmbox\or
1408 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1409 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1410 \fi}\prepnext@tok}
1411 \def\adl@classstart{4}
1412 \def\adl@class@iiiorvii{7}
1413

```



```

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

```



```

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

```

## 14 File bidi.sty

```

1494 \NeedsTeXFormat{LaTeX2e}
1495 \def\bididate{2018/12/07}
1496 \def\bidiversion{35.2}
1497 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1498 Bidirectional typesetting in plain TeX and LaTeX]
1499 \edef\@bidi@info{*****^^J%
1500 * ^^J%
1501 * bidi package (Bidirectional typesetting in^^J%
1502 * plain TeX and LaTeX, using XeTeX engine)^^J%
1503 * ^^J%
1504 * Description: A convenient interface for^^J%
1505 * typesetting bidirectional texts in plain TeX^^J%
1506 * and LaTeX. The package includes adaptations^^J%
1507 * for use with many other commonly-used packages.^^J%
1508 * ^^J%
1509 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1510 * ^^J%

```



```

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

```



```

1561 \newif\if@bidi@pdfm@mark
1562 \newif\if@RTLmarginpar
1563 \newif\if@LTRmarginpar
1564 \newif\if@LTRbibitems
1565 \newif\if@RTLbibitems
1566 \newif\if@extrafootnotefeatures
1567 \newif\if@RTLcolumnfootnotes
1568 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1569 \newif\if@bidi@list@minipage@parbox
1570 \newif\if@bidi@list@minipage@parbox@not@nob
1571 \newcommand*{\@bidi@pdfcreator}{%
1572   The bidi package, v\@bidi@version, \@bidi@date
1573 }
1574 \newcommand*{\@bidi@pdfproducer}{%
1575   The bidi package, v\@bidi@version, \@bidi@date
1576 }
1577 \newcommand*{\@bidi@pdfcustomproperties}{%
1578   This is the bidi package, Version \@bidi@version,
1579   Released December 07, 2018.
1580 }
1581 \@RTLmainfalse
1582 \AtBeginDocument{%
1583   \if@RTLmain\else
1584     \if@RTL\@RTLmaintrue%
1585     \else\@RTLmainfalse%
1586     \fi%
1587   \fi%
1588 }
1589 \let\n@xt=
1590 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1591 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1592 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1593 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1594 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1595   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1596 \newinsert\@bidi@copyins@
1597 \skip\@bidi@copyins@=12\p@
1598 \dimen\@bidi@copyins@=40pc
1599 \count\@bidi@copyins@=1000
1600 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1601 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
1602   \if@RTLmain
1603     \if@twocolumn
1604       \hboxR to \columnwidth
1605     \else
1606       \hboxR to \textwidth
1607     \fi
1608   \else
1609     \if@twocolumn
1610       \hboxL to \columnwidth

```



```

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

```



```

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

```



```

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

```





```

1761 permissionflags%
1762 }
1763
1764 \if@extrafootnotefeatures
1765 \input{extrafootnotefeatures-xetex-bidi.def}
1766 \fi
1767 \newcount\bididigits
1768 \XeTeXinterchartokenstate=\@ne
1769 \newXeTeXintercharclass\bididigits@charclass
1770 \newXeTeXintercharclass\bidisepmark@charclass
1771 \XeTeXcharclass`\.\ \bidisepmark@charclass
1772 \XeTeXcharclass`\- \bidisepmark@charclass
1773 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1774 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1775 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterChar
1776 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1777 \bididigit@AtEndPreamble{%
1778 \if@bidi@perpage@footnote
1779 \RequirePackage{bidi-perpage}%
1780 \ResetCounterPerPage{footnote}%
1781 \fi
1782 \ifx\bididigit@pdfencrypt@ownerpassword\bididigit@empty
1783 \ifx\bididigit@pdfencrypt@userpassword\bididigit@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 (\bididigit@pdfencrypt@userpassword)
1794 ownerpw (\bididigit@pdfencrypt@ownerpassword)
1795 length \bididigit@pdfencrypt@keylength
1796 perm \bididigit@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{2018/12/07}
1815 \catcode`\@=11
1816 \def\bidiversion{35.2}
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--2018 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/bidirtex/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 December 07, 2018.
1914 }
1915 \def\@bidi@pdfm@mark{%
1916   \special{pdf:
1917     docinfo<<%
1918       \if\@bidi@pdfm@mark
1919         /Creator(\@bidi@pdfcreator)%
1920         /Producer(\@bidi@pdfproducer)%
1921       \fi
1922       /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1923     >>%
1924   }%
1925 }
1926 \def\@bidi@pdfinfoon{\@bidi@pdfm@marktrue}
1927 \def\@bidi@pdfinfooff{\@bidi@pdfm@markfalse}
1928 \input plain-xetex-bidi.def
1929 \@bidi@inslogo@
1930 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark\end}
1931 \catcode\@=12
1932 \bidi@pdfinfoon

```

## 16 File bidi2in1.sty

```

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

```



```

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

```

## 17 File bidicode.sty

```

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

```



```

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

```



```

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

```



```

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

```

## 18 File bidiftnxtra.sty

```

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

```





```

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

```



```

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

```



```

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

```



```

2299      \let\xLTRfootnote\bidip@xLTRfootnote
2300      \let\xRTLfootnotenext\bidip@xRTLftntext
2301      \let\xRTLfootnote\bidip@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\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
2312     \color@endbox
2313 }

```

```

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}
2479 \hspace{\separatorcolumnwidth}%
2480 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@{1ex}}
2481 \newcommand*{\subsection}[1]{%
2482 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2483 \newcommand*{\cvline}[3][.25em]{%
2484 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2485 \bidi@raggedleft\hintfont{#2} &{#3}%
2486 \end{tabular}\@{#1}}
2487 \newcommand*{\cvdoubleitem}[4]{%
2488 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2489 \hfill%
2490 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2491 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}%
2492 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}%
2493 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}%
2494 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2495 \hfill%

```



```

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

```





```

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

```

## 20 File bidi-perpage.sty

```

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

```



```

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

```

## 21 File biditools.sty

```

2631 \NeedsTeXFormat{LaTeX2e}
2632 \ProvidesPackage{biditools}[2018/10/12 v1.7 Programming tools for bidi package]
2633 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar``\relax
2634   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2635   \ifx\@tempa\@tempb \global\let#2#1%
2636   \else
2637     \edef\@tempb{\meaning#2}%
2638     \ifx\@tempa\@tempb
2639     \else

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

3190 \noexpand\meaning#1\string\protected&}
3191 \edef\bidibid@ifdefprotected{%
3192 \def\noexpand\bidibid@ifdefprotected##1\string\protected##2&}
3193 \bidibid@ifdefprotected{\bidibid@notblank{#2}}
3194
3195
3196 \bidibid@newrobustcmd{\bidibid@undef}[1]{\let#1\bidibid@undefined}
3197
3198 \let\bidibid@dbg@trce\@gobble
3199 \let\bidibid@dbg@init\@gobble
3200 \let\bidibid@dbg@info\@gobble
3201 \let\bidibid@dbg@succ\@gobble
3202 \let\bidibid@dbg@fail\@gobble
3203
3204
3205
3206 \bidibid@newrobustcmd*{\bidibid@apptocmd}{%
3207 \bidibid@dbg@trce\bidibid@apptocmd
3208 \begingroup
3209 \@makeoother\#%
3210 \bidibid@hooktocmd\bidibid@append}
3211
3212
3213
3214 \bidibid@newrobustcmd*{\bidibid@pretocmd}{%
3215 \bidibid@dbg@trce\bidibid@pretocmd
3216 \begingroup
3217 \@makeoother\#%
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}{\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\bid@undefinedcs#1{00\fi\bid@csarg\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\bid@dummies
3546 \def\DefNewDummy#1{
3547   \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
3548   \advance\bid@dummies\@ne
3549   \else
3550     \bid@error{Attempt at second definition of `#1'}
3551   \fi}
3552
3553 % string case statement
3554 % use: \bid@switch \iftest{...} in:
3555 %     item1 action1
3556 %     ...
3557 %     itemn actionn
3558 %     default defaultaction [optional]
3559 %     \endbid@switch
3560 % inspired by Jonathan Fine: Some Basic Control Macros
3561 % Tugboat 12 #4
3562 %
3563 \let\@bid@fi\fi \let\endbid@switch\relax \DefNewDummy{\bid@default}
3564 \def\bid@switch@exit #1 \@bid@fi #2 \endbid@switch {\fi #1}
3565 \def\bid@switch #1#2#3{\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3566   #1{#2}\bid@switch@exit #3 \@bid@fi
3567   \bid@switch {#1}
3568 }
3569 % this version puts the test object in {}
3570 \def\bid@oswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3571   #1{#2}\bid@switch@exit #3 \@bid@fi
3572   \bid@switch #1 in:
3573 }
3574 % this version assumes that the test object is just one character
3575 \def\bid@cswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3576   #1#2\bid@switch@exit #3 \@bid@fi
3577   \bid@cswitch #1 in:
3578 }
3579 % this version assumes that the test object can have an optional space
3580 \def\bid@bswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3581   #1#2 \bid@switch@exit #3 \@bid@fi
3582   \bid@bswitch #1 in:
3583 }
3584 % this version can cope with significant spaces at the start of #3;
3585 % #2 is macro argument
3586 \def\bid@mswitch #1 in: #2:#3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3587   #1{#2}\bid@switch@exit #3 \@bid@fi
3588   \bid@mswitch #1 in:
3589 }

```



```

3590 % idem; #2 does not have to be enclosed in braces
3591 \def\bidifswitch #1 in: #2:#3; {\bidicsarg\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 % variations:
3635 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
3636 \def\bidi@append@list@to@list#1#2{%
3637 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\en
3638 \def\bidi@append@cslist@to@cslist#1#2{%
3639 \@bidi@append@to@cslist{#1}\expandafter{\the#2}}

```



```

3640 \def\bid@append@toks@cs@to@list#1#2{\@bid@append@to@list{#1}\expandafter{\the#2}}
3641
3642 \let\bid@willbeunhskip\unhskip
3643
3644 % A few list macros for the user
3645 \def\NewList:#1 {\bid@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3646 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3647 \long\def\AppendToList:#1=#2 {\@bid@append@to@list{#1}{#2}}
3648 \def\TheList:#1 {\let\bid@oldwbuskip\bid@willbeunhskip \let\bid@willbeunhskip\@empty
3649 \if\bid@undefinedcs{#1}\bid@error{List <#1> undefined}
3650 \else\bid@csarg\the{#1}\fi
3651 \let\bid@willbeunhskip\bid@oldwbuskip}
3652
3653 \def\bid@del@tok@from@list#1#2{\begingroup
3654 \long\def\bid@cs@liste##1#2##2\bid@tok@SM
3655 {\bid@toks@lista{##1}\bid@toks@listb{##2}%
3656 \edef\bid@cs@listb{\global\bid@csname{#1}=
3657 {\the\bid@toks@lista\the\bid@toks@listb}}%
3658 \bid@cs@listb}%
3659 \edef\bid@cs@lista{\noexpand\bid@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
3660 \bid@cs@lista \endgroup}
3661 \def\bid@in@front@of@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%
3662 \bid@in@front@of@csl@list\bid@cs@lista}
3663 \long\def\bid@in@front@of@csl@list#1#2{\begingroup\bid@toks@lista={#2}%
3664 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@lista
3665 \endgroup}
3666 \long\def\bid@local@in@front@of@list#1#2{\bid@toks@lista={#2}%
3667 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3668 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3669 \expandafter\the\csname#1\endcsname}%
3670 }
3671 \def\bid@set@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%
3672 \bid@set@csl@list\bid@cs@lista}
3673 \long\def\bid@set@csl@list#1#2{\begingroup\bid@toks@lista={#2}%
3674 \global#1=\expandafter{\the\bid@toks@lista}\endgroup}
3675
3676 %%%%%%%%%%%%%%% Stack macros
3677 %
3678 % push in terms of prepending of lists
3679 \def\bid@push@cs@onto@cs#1#2{\@bid@prepend@to@csl@list#1\expandafter{\expandafter\\expandafter
3680 \def\bid@push@onto#1{\bid@csarg\bid@push@onto@cs{#1}}
3681 \def\bid@push@onto@cs#1#2{\@bid@prepend@to@csl@list#1}{\{#2}}
3682 \def\bid@local@push@onto#1#2{\let\=\relax
3683 \bid@local@in@front@of@list{#1}{\{#2}}
3684 % pop via auxiliary macro: #1 is result, #2 is stack
3685 % two cs arguments
3686 \def\bid@pop@cs@into#1#2{\edef\bid@cs@e
3687 {\noexpand\@bid@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bid@pop}\bid@cs@e}
3688 % two string arguments
3689 \def\bid@pop@into#1#2{\edef\bid@cs@e

```



```

3690 {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@bidi@
3691 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
3692 \def\bidi@copy@stacktop#1#2{%
3693   \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
3694     {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
3695   \bidi@cs@e}
3696 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
3697 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
3698 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
3699 \def\bidi@length@of@csstack#1{\def\##1{\advance\bidi@stack@length\@ne}%
3700   \bidi@stack@length\m@ne \the#1}
3701 % turn a stack upside down
3702 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
3703   \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
3704   \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3705     \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\m@ne
3706     \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
3707 %   \bidi@append@csl@to@csl\bidi@temptoksb\bidi@temptoksa% append a to b
3708 %   \bidi@temptoksa\bidi@temptoksb
3709   \repeat% copy b to a
3710   #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3711 % invert a stack into a list
3712 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
3713   \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
3714   \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3715     \bidi@pop@into\bidi@temptoksb{#1}\advance\bidi@stack@length\m@ne
3716     \bidi@append@list@to@list\bidi@temptoksb{\bidi@temptoksa}\repeat
3717   \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3718
3719
3720 % General loop macro:
3721 % \looprepeat
3722 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3723 %   \untilcondition{<cond>} \whilecondition{<cond>}
3724 %   \doloopbody { <loop body> }
3725 % where all control sequences in between \looprepeat and \doloopbody are optional.
3726 %
3727 % var: characters to form a control sequence;
3728 %   after \forvariable{index} you can access the loop counter as \index.
3729 %   This is a count register; to print it use \number\index.
3730 % start,step,end: integers with obvious relations to the loop counter;
3731 %   start and step have a default value of 1
3732 % cond: (sequence of commands ending in) any TeX \if... test.
3733 %
3734 % Count down instead of up with \downtovalue; the increment given in \bystep
3735 % is always positive, and is added or subtracted accordingly.
3736 %
3737 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3738 % at the beginning of the loop body.
3739 %

```





```

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

```



```

3790 \bidi@looprepeat@csromannumeral{\bidi@looprepeat@body}\ignorespaces}
3791
3792% Stop test
3793%% In order to stop, issue a
3794% \breaklooprepeat which scoops up the rest of the body and exits
3795 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral\
3796 \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
3797 }
3798
3799
3800% Setup
3801% gather bounds and termination conditions
3802 \def\bidi@looprepeat@setup#1{%
3803 \beginngroup
3804 \def\forvariable##1{%
3805 \edef\bidi@looprepeat@tmp{%
3806 \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{\bidi@l
3807 \bidi@looprepeat@tmp}%
3808 \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{\bidi@looprepeat@count}##1\ign
3809 \def\tovalue##1{%
3810 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loopre
3811 {\bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}}%
3812 \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}\bidi
3813 \noexpand\expandafter \noexpand\breaklooprepeat
3814 \noexpand\fi}\ignorespaces}%
3815 \bidi@looprepeat@tmp}%
3816 \def\downtovalue##1{%
3817 \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3818 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}\
3819 \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{-##1}\else
3820 \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{##1}\fi\ignorespaces}
3821 \def\untilcondition##1{%
3822 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loopre
3823 {\noexpand##1\relax
3824 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3825 \bidi@looprepeat@tmp}%
3826 \def\whilecondition##1{%
3827 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loopre
3828 {\noexpand##1\relax \noexpand\else
3829 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3830 \bidi@looprepeat@tmp}%
3831 \fromvalue{\@ne}\bystep{\@ne}#1%
3832 \endgroup}
3833 \def\bidi@looprepeat@zero
3834 {\bidi@looprepeat@csromannumeral{\bidi@looprepeat@toks}{}\bidi@looprepeat@csromannumeral{\bi
3835 \bidi@looprepeat@csargromannumeral\def{\bidi@looprepeat@body}{}}
3836
3837%\tracingmacros2
3838%\newcount\tmpcount % used in some examples below
3839

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

4390 \bidi@patch@list
4391 \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
4392 \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
4393 \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
4394 \let\@ifclasslater\bidi@patch@OrgIfClassLater
4395 }%

```

## 22 File bidentuftefloat.sty

```

4396 \NeedsTeXFormat{LaTeX2e}
4397 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
4398 bidi implementation of tufte float]
4399 \RequirePackage{xifthen}
4400 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
4401 \newcommand{\@bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
4402 \newcommand{\@bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\bidi
4403 \newcommand{\@bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
4404 \newboolean{\@bidentuftefloat@reversegeometry}
4405 \setboolean{\@bidentuftefloat@reversegeometry}{false}
4406 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
4407 \newboolean{\@bidentuftefloat@a4paper}
4408 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@a4paper}{true}}
4409 \newboolean{\@bidentuftefloat@b5paper}
4410 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@b5paper}{true}}
4411 \newboolean{\@bidentuftefloat@symmetric}
4412 \newboolean{\@bidentuftefloat@twoside}
4413 \DeclareOption{twoside}{%
4414 \@twosidettrue \mparswitchtrue%
4415 \setboolean{\@bidentuftefloat@twoside}{true}%
4416 \setboolean{\@bidentuftefloat@symmetric}{true}%
4417 }
4418 \DeclareOption{oneside}{%
4419 \@twosidefalse \mparswitchfalse%
4420 \setboolean{\@bidentuftefloat@twoside}{false}%
4421 \setboolean{\@bidentuftefloat@symmetric}{false}%
4422 }
4423 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4424 \newboolean{\@bidentuftefloat@debug}
4425 \newcommand*{\@bidentuftefloat@caption@justification}{\@bidentuftefloat@justification@autodetect}
4426 \ProcessOptions
4427 %% Globally sets the length
4428 \newcommand*{\gsetlength}[2]{%
4429 \setlength{#1}{#2}%
4430 \global#1=#1\relax%
4431 }
4432
4433 %% Set the font sizes and baselines to match bidentuftefloat's books
4434 \renewcommand\normalsize{%
4435 \setfontsize\normalsize\expt{14}%
4436 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@

```



```

4437 \abovedisplayshortskip \z@ \@plus3\p@
4438 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4439 \belowdisplayskip \abovedisplayskip
4440 \let\@listi\@listI}
4441 \normalbaselineskip=14pt
4442 \normalsize
4443 \renewcommand\footnotesize{%
4444   \@setfontsize\footnotesize\@viipt{10}%
4445   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4446   \abovedisplayshortskip \z@ \@plus\p@
4447   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4448   \def\@listi{\leftmargin\leftmargini
4449     \topsep 3\p@ \@plus\p@ \@minus\p@
4450     \parsep 2\p@ \@plus\p@ \@minus\p@
4451     \itemsep \parsep}%
4452   \belowdisplayskip \abovedisplayskip
4453 }
4454 %% Paragraph indentation and separation for marginal text
4455 \newcommand{\@biditytfloat@margin@par}{%
4456   \setlength{\RaggedRightParindent}{0.5pc}%
4457   \setlength{\JustifyingParindent}{0.5pc}%
4458   \setlength{\parindent}{0.5pc}%
4459   \setlength{\parskip}{0pt}%
4460 }
4461 \RequirePackage{ragged2e}
4462 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
4463   \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{ragged2e}
4464   \ifthenelse{\boolean{@biditytfloat@a4paper}}{
4465     {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
4466     {}
4467   }{\ifthenelse{\boolean{@biditytfloat@bfivepaper}}{
4468     {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
4469     {}}%
4470   \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{ragged2e}
4471   \ifthenelse{\boolean{@biditytfloat@a4paper}}{
4472     {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
4473     {}
4474   }{\ifthenelse{\boolean{@biditytfloat@bfivepaper}}{
4475     {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
4476     {}}%
4477   \ifthenelse{\boolean{@biditytfloat@symmetric}}{
4478     {}
4479     {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
4480   \setlength{\marginparpush}{10pt}
4481   %% Font for margin items
4482   \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
4483   \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
4484   \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
4485   \newcommand{\@biditytfloat@justification}{\justifying}%
4486   \setlength{\abovedisplayskip}{6pt plus 2pt minus 4pt}

```



```

4487 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4488 \newboolean{@biditytfloat@changepage}
4489 \IfFileExists{changepage.sty}{%
4490   \biditytfloatDebugInfoNL{Found changepage.sty}
4491   \RequirePackage[strict]{changepage}
4492   \setboolean{@biditytfloat@changepage}{true}
4493 }{%
4494   \biditytfloatDebugInfoNL{Found chngpage.sty}
4495   \RequirePackage[strict]{chngpage}
4496   \setboolean{@biditytfloat@changepage}{false}
4497 }
4498 \newboolean{@biditytfloat@odd@page}
4499 \setboolean{@biditytfloat@odd@page}{true}
4500 \newcommand*{\@biditytfloat@checkoddpage}{%
4501   \checkoddpage%
4502   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
4503     \ifoddpage%
4504       \setboolean{@biditytfloat@odd@page}{true}%
4505     \else%
4506       \setboolean{@biditytfloat@odd@page}{false}%
4507     \fi%
4508   }{%
4509     \ifcpoddpage%
4510       \setboolean{@biditytfloat@odd@page}{true}%
4511     \else%
4512       \setboolean{@biditytfloat@odd@page}{false}%
4513     \fi%
4514   }%
4515 }
4516 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running heads
4517 \newlength{\@biditytfloat@fullwidth}
4518 \newlength{\@biditytfloat@caption@fill}
4519 \newcommand{\@biditytfloatRecalculate}{%
4520   \setlength{\@biditytfloat@overhang}{\marginparwidth}
4521   \addtolength{\@biditytfloat@overhang}{\marginparsep}
4522
4523   \setlength{\@biditytfloat@fullwidth}{\textwidth}
4524   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4525   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4526
4527   \setlength{\@biditytfloat@caption@fill}{\textwidth}
4528   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4529 }
4530 \AtBeginDocument{\@biditytfloatRecalculate}
4531 \RequirePackage{optparams}% provides multiple optional arguments for commands
4532 \RequirePackage{placeins}
4533 \newsavebox{\@biditytfloat@margin@floatbox}
4534 \newenvironment{@biditytfloat@margin@float}[2][1.2ex]{%
4535   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4536   \begin{lrbox}{\@biditytfloat@margin@floatbox}%

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

4787 \def\morefloats{% provides a total of 52 floats
4788   \ifthenelse{\isundefined{\bx@S}}{%
4789     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4790     \newinsert\bx@S
4791     \newinsert\bx@T
4792     \newinsert\bx@U
4793     \newinsert\bx@V
4794     \newinsert\bx@W
4795     \newinsert\bx@X
4796     \newinsert\bx@Y
4797     \newinsert\bx@Z
4798     \newinsert\bx@a
4799     \newinsert\bx@b
4800     \newinsert\bx@c
4801     \newinsert\bx@d
4802     \newinsert\bx@e
4803     \newinsert\bx@f
4804     \newinsert\bx@g
4805     \newinsert\bx@h
4806     \newinsert\bx@i
4807     \newinsert\bx@j
4808     \newinsert\bx@k
4809     \newinsert\bx@l
4810     \newinsert\bx@m
4811     \newinsert\bx@n
4812     \newinsert\bx@o
4813     \newinsert\bx@p
4814     \newinsert\bx@q
4815     \newinsert\bx@r
4816     \newinsert\bx@s
4817     \newinsert\bx@t
4818     \newinsert\bx@u
4819     \newinsert\bx@v
4820     \newinsert\bx@w
4821     \newinsert\bx@x
4822     \newinsert\bx@y
4823     \newinsert\bx@z
4824     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4825       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4826       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4827       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4828       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4829       \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4830       \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4831       \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4832       \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4833       \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4834       \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4835       \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4836   }{% we've already added another 34 floats, so we'll add 26 more, but that's it!

```



```

4837 \ifthenelse{\isundefined{\bx@AA}}{%
4838 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4839 \newinsert\bx@AA
4840 \newinsert\bx@BB
4841 \newinsert\bx@CC
4842 \newinsert\bx@DD
4843 \newinsert\bx@EE
4844 \newinsert\bx@FF
4845 \newinsert\bx@GG
4846 \newinsert\bx@HH
4847 \newinsert\bx@II
4848 \newinsert\bx@JJ
4849 \newinsert\bx@KK
4850 \newinsert\bx@LL
4851 \newinsert\bx@MM
4852 \newinsert\bx@NN
4853 \newinsert\bx@OO
4854 \newinsert\bx@PP
4855 \newinsert\bx@QQ
4856 \newinsert\bx@RR
4857 \newinsert\bx@SS
4858 \newinsert\bx@TT
4859 \newinsert\bx@UU
4860 \newinsert\bx@VV
4861 \newinsert\bx@WW
4862 \newinsert\bx@XX
4863 \newinsert\bx@YY
4864 \newinsert\bx@ZZ
4865 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4866 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4867 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4868 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4869 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4870 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4871 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4872 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4873 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4874 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4875 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4876 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4877 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4878 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4879 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4880 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4881 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4882 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4883 }{%
4884 \bidituftefloatError{You may only call \string\morefloats\space twice. See the\MessageB
4885 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4886 }%

```



```

4887 }%
4888 }
4889 \newboolean{@biditytfloat@packages@subfigure}
4890 \setboolean{@biditytfloat@packages@subfigure}{false}
4891 \AtBeginDocument{%
4892   \ifpackageloaded{subfigure}
4893     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4894     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4895 }
4896 \AtBeginDocument{%
4897   \ifpackageloaded{float}{%
4898     % Save the redefined float environment (instead of the LaTeX float environment)
4899     \let\biditytfloat@orig@float@float
4900     \let\biditytfloat@orig@endfloat@endfloat
4901
4902     % Define Tuftian float styles (with the caption in the margin)
4903     \newcommand{\floatc@biditytfloatplain}[2]{%
4904       \begin{lrbox}{\@biditytfloat@caption@box}%
4905         \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4906           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4907         }\end{minipage}%
4908       \end{lrbox}%
4909       \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4910   }
4911   \newcommand{\fs@biditytfloatplain}{%
4912     \def\@fs@cfont{\@biditytfloat@caption@font}%
4913     \let\@fs@capt\floatc@biditytfloatplain%
4914     \def\@fs@pre{%
4915       \def\@fs@post{%
4916         \def\@fs@mid{%
4917           \let\@fs@iftopcapt\iftrue%
4918         }
4919       \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4920       \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4921       \newcommand\floatc@biditytfloatruled[2]{%
4922         {\@fs@cfont #1} #2\par%
4923       }
4924       \newcommand\fs@biditytfloatruled{%
4925         \def\@fs@cfont{\@biditytfloat@caption@font}%
4926         \let\@fs@capt\floatc@biditytfloatplain%
4927         \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4928         \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4929         \def\@fs@mid{%
4930           \let\@fs@iftopcapt\iftrue%
4931         }
4932       }
4933       \newcommand\fs@biditytfloatboxed{%
4934         \def\@fs@cfont{%
4935           \let\@fs@capt\floatc@biditytfloatplain%
4936           \def\@fs@pre{%
4937             \setbox\@currbox\vbox{\hbadness10000

```





```

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

```

## 23 File bittuftesidenote.sty

```

4962 \NeedsTeXFormat{LaTeX2e}
4963 \ProvidesPackage{bittuftesidenote}[2017/08/09 v0.4
4964 bidi implementation of tufte sidenote]
4965 \RequirePackage{xifthen}
4966 \RequirePackage{ragged2e}
4967 \RequirePackage{setspace}
4968 \RequirePackage{bittuftes}
4969 \def\bittuftesidenotemarginpar{%
4970 \ifhmode
4971 \@bsphack
4972 \floatpenalty -\@Mii
4973 \else
4974 \floatpenalty-\@Miii
4975 \fi
4976 \ifinner
4977 \@parmoderr
4978 \floatpenalty\z@
4979 \else
4980 \@next\@currbox\@freelist{}{}%
4981 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4982 {\floatpenalty\z@
4983 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%

```



```

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

```



```

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

```



```

5084 \color@vbox
5085 \vtop{%
5086 \hsize\marginparwidth
5087 \@parboxrestore
5088 \@RTLbidityftesidenotemarginparreset
5089 #2%
5090 \@minipagefalse
5091 \outer@nobreak
5092 }%
5093 \color@endbox
5094 }
5095 \def \@RTLbidityftesidenotemarginparreset {%
5096 \reset@font
5097 \normalsize
5098 \@minipagetrue
5099 \everypar{\@minipagefalse\everypar{}\beginR}%
5100 }
5101 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
5102 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
5103 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
5104 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
5105 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
5106 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
5107 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
5108 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
5109 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
5110 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
5111 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
5112 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
5113 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
5114 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
5115 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
5116 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
5117 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
5118 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
5119 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5120 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5121 \newcommand*{\setRTLCitation@font}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
5122 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
5123 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
5124 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
5125 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
5126 \newcommand{\@bidityftesidenote@margin@par}{%
5127 \setlength{\RaggedRightParindent}{0.5pc}%
5128 \setlength{\JustifyingParindent}{0.5pc}%
5129 \setlength{\parindent}{0.5pc}%
5130 \setlength{\parskip}{0pt}%
5131 }
5132 %%
5133 % Globally sets the length

```



```

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

```



```

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

```



```

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

```



```

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

```





```

5334     }%
5335     \color@endgroup%
5336 }%
5337 }%
5338 \renewcommand\@LTRfootnotetext[2][0pt]{%
5339 \LTRbidityftesidenotemarginpar{%
5340   \hbox{}\vspace*{#1}%
5341   \def\baselinestretch {\setspace@singlespace}%
5342   \reset@font%
5343   \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5344   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5345   \vspace*{-1\baselineskip}\noindent%
5346   \protected@edef\@currentlabel{%
5347     \csname p@footnote\endcsname\@thefnmark%
5348   }%
5349   \color@begingroup%
5350     \makefnintext{%
5351       \ignorespaces#2%
5352     }%
5353   \color@endgroup%
5354 }%
5355 }%
5356 \renewcommand\@RTLfootnotetext[2][0pt]{%
5357 \RTLbidityftesidenotemarginpar{%
5358   \hbox{}\vspace*{#1}%
5359   \def\baselinestretch {\setspace@singlespace}%
5360   \reset@font%
5361   \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5362   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5363   \vspace*{-1\baselineskip}\noindent%
5364   \protected@edef\@currentlabel{%
5365     \csname p@footnote\endcsname\@thefnmark%
5366   }%
5367   \color@begingroup%
5368     \makefnintext{%
5369       \ignorespaces#2%
5370     }%
5371   \color@endgroup%
5372 }%
5373 }%
5374 }
5375 %
5376 % Define \sidenote command. Can handle \cite.
5377 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5378 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5379 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5380 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5381   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5382   \gdef\@bidityftesidenote@citations{}% clear out any old citations
5383   \ifthenelse{\NOT\isempty{#2}}{%

```



```

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

```



```

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

```



```

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

```

## 24 File bidityftetoc.sty

```

5504 \NeedsTeXFormat{LaTeX2e}
5505 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5506 bidi implementation of tufte toc]
5507 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5508 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5509 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5510 %%
5511 % Turn off section numbering
5512 \setcounter{secnumdepth}{-1}
5513 \newboolean{@bidityftetoc@toc}
5514 \setboolean{@bidityftetoc@toc}{true}
5515 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5516 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
5517 \ProcessOptions
5518 %%
5519 % Make Tufte-style section headings and TOC formatting
5520 \bidity@patch@AfterPackage{bidi}{%
5521 \titleformat{\chapter}%
5522 [display]% shape
5523 {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format ap
5524 {\itshape\huge\thechapter}% label
5525 {0pt}% horizontal separation between label and title body
5526 {\huge\rmfamily\itshape}% before the title body
5527 [\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title b
5528 \titleformat{\section}%
5529 [hang]% shape
5530 {\normalfont\Large\itshape}% format applied to label+text

```



```

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

```



```

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

```



```

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

```

## 25 File bidityftgeneralstructure.sty

```

5650 \NeedsTeXFormat{LaTeX2e}
5651 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5652 bidi implementation of tufte general structure]
5653 \renewcommand\small{%
5654   \@setfontsize\small\@ixpt{12}%
5655   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5656   \abovedisplayshortskip \z@ \@plus2\p@
5657   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5658   \def\@listi{\leftmargin\leftmargini
5659     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5660     \parsep 2\p@ \@plus\p@ \@minus\p@
5661     \itemsep \parsep}%
5662   \belowdisplayskip \abovedisplayskip
5663 }
5664 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5665 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5666 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5667 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
5668 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5669 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5670 \renewcommand\Huge{\@setfontsize\Huge\@24pt{36}}
5671 \setlength\leftmargini {1pc}
5672 \setlength\leftmarginii {1pc}
5673 \setlength\leftmarginiii {1pc}
5674 \setlength\leftmarginiv {1pc}
5675 \setlength\leftmarginv {1pc}
5676 \setlength\leftmarginvi {1pc}
5677 \setlength\labelsep {0.5pc}

```



```

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

```





```

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

```

## 26 File `bidituftehyperref.sty`

```

5766 \NeedsTeXFormat{LaTeX2e}
5767 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5768 bidi implementation of tufte hyperref]
5769 %%
5770 % Color
5771 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5772 \newboolean{@bidituftehyperref@loadhyper}
5773 \setboolean{@bidituftehyperref@loadhyper}{true}
5774 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}

```



```

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

```

## 27 File biditytufтетitle.sty

```

5793 \NeedsTeXFormat{LaTeX2e}
5794 \ProvidesPackage{biditytufтетitle}[2011/06/18 v0.1
5795 bidi implementation of tufte title]
5796 \RequirePackage{biditytools}
5797 %%
5798 % `titlepage' option -- creates a full title page with \maketitle
5799 \newboolean{@biditytufтетitle@titlepage}
5800 \DeclareOption{titlepage}{\setboolean{@biditytufтетitle@titlepage}{true}}
5801 \DeclareOption{notitlepage}{\setboolean{@biditytufтетitle@titlepage}{false}}
5802 % Default `book' and `handout' options
5803 \@ifclassloaded{book}{%
5804 \ExecuteOptions{titlepage}}{%
5805 \@ifclassloaded{article}{%
5806 \ExecuteOptions{notitlepage}}%
5807 {}
5808 \ProcessOptions
5809 %%
5810 % Modified \title, \author, and \date commands. These store the
5811 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
5812 \newcommand{\plaintitle}{}% plain-text-only title
5813 \newcommand{\plainauthor}{}% plain-text-only author
5814 \newcommand{\plainpublisher}{}% plain-text-only publisher
5815 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5816 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5817 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5818 \newcommand{\@publisher}{}% full publisher with \thanks{}
5819 \newcommand{\thedata}{\today}
5820 \bidi@patch@AfterPackage{bidi}{%
5821 \renewcommand{\thanks}[1]{\footnote{#1}}

```



```

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

```



```

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

```



```

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

```

## 28 File bidentufte-handout.cls

```

5942 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5943 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5944 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5945 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5946 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5947 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5948 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5949 \ProcessOptions\relax
5950 \LoadClass{article}
5951 \RequirePackage{bidentuftefloat}
5952 \RequirePackage{bidentuftesidenote}
5953 \RequirePackage{bidentuftetoc}
5954 \RequirePackage{bidentuftegeneralstructure}
5955 \RequirePackage{bidentuftehyperref}
5956 \RequirePackage{bidentuftetitle}
5957 \renewenvironment{abstract}
5958   {\begin{quotation}}
5959   {\end{quotation}}
5960 \AtBeginDocument{%
5961 \IfFileExists{bidentufte-handout.cfg}
5962   {\input{bidentufte-handout.cfg}
5963     \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
5964   {}%
5965 }

```

## 29 File bidentufte-book.cls



```

5966 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5967 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5968 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5969 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5970 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5971 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5972 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5973 \ProcessOptions\relax
5974 \LoadClass{book}
5975 \RequirePackage{bidituftefloat}
5976 \RequirePackage{bidituftesidenote}
5977 \RequirePackage{bidituftetoc}
5978 \RequirePackage{bidituftegeneralstructure}
5979 \RequirePackage{bidituftehyperref}
5980 \RequirePackage{bidituftetitle}
5981 %%
5982 % Set up any book-specific stuff now
5983 %%
5984 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5985 % to the opening page of Chapter 1. The running heads, when they appear,
5986 % contain only the (arabic) page number in the outside corner.
5987 %\newif\if@mainmatter \@mainmattertrue
5988 \renewcommand\frontmatter{%
5989   \cleardoublepage%
5990   \@mainmatterfalse%
5991   \pagenumbering{arabic}%
5992   %\pagestyle{plain}%
5993   \fancyhf{}%
5994   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
5995     {\fancyhead[LE,R0]{\thepage}}%
5996     {\fancyhead[RE,R0]{\thepage}}%
5997 }
5998 %%
5999 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
6000 % numbering---it continues where it left off in the front matter.
6001 \renewcommand\mainmatter{%
6002   \cleardoublepage%
6003   \@mainmattertrue%
6004   \fancyhf{}%
6005   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
6006     {\renewcommand\chaptermark[1]{\markboth{##1}{}}}%
6007     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
6008     \fancyhead[R0]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
6009     {\fancyhead[RE,R0]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
6010 }
6011 %%
6012 % The back matter contains appendices, indices, glossaries, endnotes,
6013 % bibliographies, list of contributors, illustration credits, etc.
6014 \renewcommand\backmatter{%
6015   \if@openright%

```



```

6016 \cleardoublepage%
6017 \else%
6018 \clearpage%
6019 \fi%
6020 \@mainmatterfalse%
6021 }
6022 %%
6023 % Only show the chapter titles in the table of contents
6024 \setcounter{tocdepth}{0}
6025 \AtBeginDocument{%
6026 \IfFileExists{biditufte-book.cfg}
6027 {\input{biditufte-book.cfg}
6028 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
6029 {}%
6030 }

```

### 30 File bidipoem.sty

```

6031 \NeedsTeXFormat{LaTeX2e}
6032 \ProvidesPackage{bidipoem}%
6033 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
6034
6035 % Usage:
6036 %
6037 % \Setversedim #1#2 % define the layout (within a group):
6038 % #1 = length of both half-verses
6039 % #2 = separation distance = length of a connection, if present
6040 % Variant:
6041 % \Setversedim #1[#2]#3 % for half-verses of unequal length
6042 % #1 = length of first (=right) half-verse
6043 % #2 = length of second (=left) half-verse
6044 % #3 = separation distance = length of a connection, if present
6045 %
6046 % \traditionalhalfverses #1#2 % typeset two separated half-verses
6047 % #1 = text of first (=right) half-verse
6048 % #2 = text of second (=left) half-verse
6049 % Variant:
6050 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
6051 % #1 = text of first (=right) half-verse
6052 % #2 = text of connection
6053 % #3 = text of second (=left) half-verse
6054 %
6055 % Alternative (if preferred):
6056 %
6057 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
6058
6059
6060 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
6061
6062 % define the layout, verses will be centered

```



```

6063
6064 \newdimen \bidipoem@hrlen \newdimen \bidipoem@hvsep
6065 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hrlen
6066
6067 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
6068 \bidipoem@hvind \textwidth
6069 \bidipoem@hrlen #1\relax \advance \bidipoem@hvind -\bidipoem@hrlen
6070 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
6071 \bidipoem@@hrlen \bidipoem@hrlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
6072
6073 \def \bidipoem@set@verseI [#1]{% optional parameter
6074 \bidipoem@@hrlen #1\relax \bidipoem@set@@verse }
6075
6076 \newcommand*{\bidipoem@set@@verse}[1]{% separation
6077 \advance \bidipoem@hvind -\bidipoem@@hrlen \bidipoem@hvsep #1\relax
6078 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
6079
6080 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
6081 \ifdim Opt > \bidipoem@hvind %
6082 \bidipoem@spreadbox \bidipoem@hrlen {#1}\\ \hfill % first block
6083 \else
6084 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hrlen {#1}\fi
6085 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
6086 \bidipoem@spreadbox \bidipoem@@hrlen {#3}% second block
6087 \par }
6088
6089 % macro for two half verses
6090 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
6091 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}}}%
6092 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
6093 \bidipoem@half@verses@next}
6094
6095 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
6096 \traditionalconnverses {#1}{#2}{#3}}
6097
6098
6099 {\catcode\^M=\active % these lines must end with %
6100 \gdef \traditionalpoem@obeylines {\catcode\^M=\active \let\^M\traditionalpoem@par}%
6101 \global\let\^M\traditionalpoem@par} % this is in case ^M appears in a \write
6102 {\catcode\^M=\active % these lines must end with %
6103 \gdef \modernpoem@obeylines {\catcode\^M=\active \let\^M\modernpoem@par}%
6104 \global\let\^M\modernpoem@par} % this is in case ^M appears in a \write
6105 \def \poemcolsepskip {.1\versewidth plus .1\versewidth minus .05\versewidth}
6106 \def \poemmarginsskip {1em plus 1fil minus 1em}
6107 \def \poemextrabaselineskip {0\baselineskip}
6108 \def \poemskip {\medskip}
6109 \newcommand {\bidipoem@openbox} {\leavevmode
6110 \hbox to.77778em{%
6111 \hfil\vrule
6112 \vbox to.675em{\hrule width.6em\vfil\hrule}%

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 31 File boek3-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

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

```



```

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

```

## 32 File boek-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

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

```

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

```



```

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

```

## 34 File book-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

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

```



```

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

```

## 35 File breqn-xetex-bidi.def

```

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

```



```

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

```



## 36 File cals-xetex-bidi.def

```

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

```

## 37 File caption-xetex-bidi.def

```

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

```



## 38 File caption3-xetex-bidi.def

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

## 39 File colortbl-xetex-bidi.def

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

## 40 File color-xetex-bidi.def

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



```

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

```

## 41 File combine-xetex-bidi.def

```

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

```



```

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

```

## 42 File crop-xetex-bidi.def

```

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

```



```

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

```





```

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

```

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

```

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

```



## 44 File cuted-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```

## 45 File cvthemebidicasual.sty

```

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

```



```

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

```



```

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

```

## 46 File cvthemebidiclassic.sty

```

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

```



```

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

```



```

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

```

## 47 File dblfnote-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

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

```



```

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

```

## 48 File diagbox-xetex-bidi.def

```

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

```



```

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

```



```

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

```

## 49 File draftwatermark-xetex-bidi.def

```

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

```

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

```

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

```



```

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

```

## 51 File empheq-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

## 52 File extarticle-xetex-bidi.def

```

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

```





```

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

```



```

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

```



```

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

```



```

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

```

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

```

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

```



```

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

```



```

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

```



```

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

```

## 54 File extletter-xetex-bidi.def

```

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

```



```

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

```

## 55 File extrafootnotefeatures-xetex-bidi.def

```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```

## 56 File extreport-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

## 57 File fancybox-xetex-bidi.def

```

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

```



```

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

```

## 58 File fancyhdr-xetex-bidi.def

```

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

```

## 59 File fix2col-xetex-bidi.def

```

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

```



```

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

```





```

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

```

## 60 File fleqn-xetex-bidi.def

```

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

```



## 61 File float-xetex-bidi.def

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

## 62 File floatrow-xetex-bidi.def

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

## 63 File flowfram-xetex-bidi.def

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



```

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

```



```

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

```



```

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

```

## 64 File footnote-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```

## 65 File framed-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

## 66 File ftnright-xetex-bidi.def

```

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

```



```

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

```





```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```

## 68 File geometry-xetex-bidi.def

```

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

```



```

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

```

## 69 File hvfloat-xetex-bidi.def

```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 70 File hyperref-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```

## 71 File imspdoc-xetex-bidi.def

```

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

```



```

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

```



```

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

```

## 72 File leqno-xetex-bidi.def

```

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

```

## 73 File letter-xetex-bidi.def

```

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

```

## 74 File lettrine-xetex-bidi.def

```

13021 \ProvidesFile{lettrine-xetex-bidi.def}[2018/10/01 v0.6 bidi adaptations for lettrine package
13022 \def\@lettrine[#1]#2#3{%
13023 \def\l@initial{#2}\let\l@refstring\l@initial
13024 \setcounter{L@lines}{\value{DefaultLines}}%
13025 \setcounter{L@depth}{\value{DefaultDepth}}%
13026 \renewcommand*{\L@hang}{\DefaultLhang}%
13027 \renewcommand*{\L@oversize}{\DefaultLoversize}%
13028 \renewcommand*{\L@raise}{\DefaultLraise}%
13029 \renewcommand*{\L@ante}{\L@ante}}%

```



```

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

```



```

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

```



```

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

```

## 75 File lineno-xetex-bidi.def

```

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

```





```

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

```

## 76 File listings-xetex-bidi.def

```

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

```



```

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

```



```

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

```

## 77 File loadingorder-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```

## 78 File longtable-xetex-bidi.def

```

13594 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13595 \def\LT@array[#1]#2{%
13596   \refstepcounter{table}\stepcounter{LT@tables}%
13597   \if l#1%
13598     \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
13599   \else\if r#1%
13600     \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13601   \else\if c#1%
13602     \LTleft\fill \LTright\fill
13603   \fi\fi\fi
13604   \let\LT@mc\multicolumn
13605   \let\LT@@@tabarray\@tabarray
13606   \let\LT@@@hline\hline
13607   \def\@tabarray{%
13608     \let\hline\LT@@@hline
13609     \LT@@@tabarray}%
13610   \let\LT@tabularcr\let\tabularnewline\%
13611   \def\newpage{\noalign{\break}}%
13612   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13613   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
13614   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13615   \@tempdima\ht\strutbox
13616   \let\@endpbox\LT@endpbox
13617   \ifx\extrarowheight\@undefined

```



```

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

```



```

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

```



```

13718 \makecol
13719 \outputpage
13720 \global\ysize\@colroom
13721 \copy\LT@head\nobreak
13722 \fi}

```

## 79 File mathtools-xetex-bidi.def

```

13723 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13724 \MHInternalSyntaxOn
13725 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13726 \namedef{MT_tagform_#1:n}##1
13727 {\maketag@@@{\ifnonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i}
13728 }
13729 \renewtagform{default}{\{()\}}
13730 \MHInternalSyntaxOff

```

## 80 File mdframed-xetex-bidi.def

```

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

```



```

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

```

## 81 File bidi-media9.sty

```

13806 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13807 {bidi fixes for media9 package for the XeTeX engine}
13808

```



```

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

```



```

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

```



```

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

```





```

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

```



```

14009 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~}={=}
14010 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=}={~}
14011 \tl_gtrim_spaces:N\g_mix_flashvars_tl
14012
14013 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
14014
14015 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
14016 %\hbox_set:Nn\l_mix_poster_box{#2}
14017 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14018 \mix_scale:n{\l_mix_poster_box}
14019 \bool_if:nT{
14020   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
14021   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
14022 }{
14023   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
14024 }
14025 \bool_if:NTF\g_mix_usrdraft_bool{
14026   \tl_if_empty:NF\g_mix_usrlabel_tl{
14027     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
14028   }
14029   \tl_if_blank:oTF{#2}{
14030     \mix_uribegin: %treat URI characters correctly
14031     \mix_draftbox:n{\tl_to_str:n{#3}}
14032     \mix_uriend:
14033   }{
14034     \hbox_to_wd:nn{\g_mix_wd_tl}{
14035       \vrule-width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
14036       \box_use:N\l_mix_poster_box\hss
14037     }
14038   }
14039 }{
14040   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
14041     %attach script that switches off play button overlay upon activation
14042     \mix_pdfobj:nnn{}{stream}{
14043       {}{
14044         var~ocgs=host.getOCGs(host.pageNum);
14045         for(var~i=0;i<ocgs.length;i++){
14046           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14047             ocgs[i].state=false;
14048           }
14049         }
14050       }
14051     }
14052     \mix_pdfobj:nnn{}{dict}{
14053       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
14054     }
14055     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
14056     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
14057     %enforce plain playbutton overlay for XeTeX
14058     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}

```



```

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

```



```

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

```



```

14159     /Subtype/\g_mix_mainassetsub_tl
14160     /Instances~[\mix_pdflastobj:]
14161 }
14162 \mix_pdfobj:nnn{}{dict}{
14163     /Type/RichMediaContent
14164     /Assets~<</Names~[\g_mix_assets_tl]>>
14165     /Configurations~[\mix_pdflastobj:]
14166     \bool_if:nT{
14167         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14168     }{
14169         /Views~[\l_mix_iiidviewarray_tl]
14170     }
14171 }
14172 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14173 \bool_if:nT{
14174     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14175 }{
14176     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14177 }
14178 %determine floating window size
14179 \bool_if:NT\g_mix_opt_windowed_bool{
14180     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14181 }
14182 \mix_pdfobj:nnn{}{dict}{
14183     /Activation~<<
14184     /Condition\g_mix_act_tl
14185     \bool_if:nT{
14186         \g_mix_iiid_bool &&
14187         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14188     }{%seems to work only with 3D content
14189         /Animation~<<
14190         /Subtype/\g_mix_playtpe_tl
14191         /PlayCount~\g_mix_playcnt_tl
14192         /Speed~\g_mix_playspd_tl
14193         >>
14194     }
14195     \bool_if:nT{
14196         \g_mix_iiid_bool && (
14197             \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14198         )
14199     }{/View~\l_mix_dfltview_tl}
14200     /Presentation~<<
14201     /Transparent~\g_mix_transp_tl
14202     \bool_if:NTF\g_mix_opt_windowed_bool{
14203         /Style/Windowed
14204         /Window~<<
14205         /Width~<</Default~\tl_mix_fltd>>
14206         /Height~<</Default~\tl_mix_fltht>>
14207         /Position~<<
14208         /HOffset~0/VOffset~0

```



```

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

```



```

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

```



```

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

```





```

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

```

## 82 File memoir-xetex-bidi.def

```

14389 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14390 \renewcommand{\keepthetitle}{%
14391 \@bsmtitleempty
14392 \global\let\thanks\relax
14393 \global\let\LTRthanks\relax
14394 \global\let\RTLthanks\relax
14395 \global\let\and\relax
14396 \global\let\andnext\relax
14397 \global\let\@thanks\@empty
14398 \global\let\@title\@empty
14399 \global\let\@author\@empty
14400 \global\let\@date\@empty}
14401 \renewcommand{\maketitle}{\par
14402 \begin{group}
14403 \@bsmarkseries
14404 \def\@makefnmark{\@textsuperscript{%
14405 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%

```



```

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

```



```

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

```



```

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

```

## 83 File midfloat-xetex-bidi.def

```

14546 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14547 \def\RTL@outputdblcol{%
14548   \if@firstcolumn
14549     \global \@firstcolumnfalse
14550     \global\setbox\@leftcolumn\copy\@outputbox
14551     \splitmaxdepth\maxdimen
14552     \vbadness\maxdimen

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```

## 84 File minitoc-xetex-bidi.def

```

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

```



```

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

```

## 85 File multicol-xetex-bidi.def

```

14822 \ProvidesFile{multicol-xetex-bidi.def}[2018/10/07 v1.1 bidi adaptations for multicol package]
14823 \def\page@sofar{%
14824 \process@cols\mult@rightbox
14825 {\ifvoid\count@
14826 \setbox\count@\hbox to\hsize{}}%
14827 \else
14828 \wd\count@\hsize
14829 \fi}%
14830 \count@\col@number \advance\count@\m@ne
14831 \mult@info\z@
14832 {Column spec: \the\full@width\space = indent
14833 + columns + sep =\MessageBreak
14834 \the\multicol@leftmargin\space
14835 + \the\col@number\space
14836 x \the\hsize\space
14837 + \the\count@\space
14838 x \the\columnsep
14839 }%
14840 \ifvmode\else\errmessage{Multicol Error}\fi
14841 \nointerlineskip
14842 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14843 \moveright\multicol@leftmargin
14844 \hbox to\full@width{%
14845 \bidi@multicol@align@columns
14846 \rlap{\phantom p}}%

```



```

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

```



```

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

```



```

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

```



```

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

```



```

15047      \fi
15048    }{}%
15049    \ifvoid\@bidi@copyins@ \else
15050      \bidi@leave@mult@copyins
15051    \fi
15052    \let\ifshr@kingsaved\ifshr@king
15053  }{}{}%
15054 }

```

## 86 File multienum-xetex-bidi.def

```

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

```



```

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

```

## 87 File natbib-xetex-bidi.def

```

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

```





```

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

```

## 88 File newfloat-xetex-bidi.def

```

15150 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
15151 \renewcommand*\newfloat@setwithin[2]{%
15152   \ifcsname c@chapter\endcsname
15153     \@removefromreset{#1}{chapter}%
15154   \fi
15155   \@removefromreset{#1}{section}%
15156   \edef\@tempa{#2}%
15157   \ifx\@tempa\@empty
15158     \def\@tempa{none}%
15159   \fi
15160   \def\@tempb{none}%
15161   \ifx\@tempa\@tempb
15162     \ifcsname c@chapter\endcsname
15163       \@chapterlistsgap@off{#1}%
15164     \fi
15165     \newfloat@@setwithin{#1}{-}{-}%
15166   \else
15167     \def\@tempb{chapter}%
15168     \ifx\@tempa\@tempb
15169       \@addtoreset{#1}{chapter}%
15170       \@chapterlistsgap@on{#1}%
15171       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
15172     \else
15173       \def\@tempb{section}%
15174       \ifx\@tempa\@tempb
15175         \@addtoreset{#1}{section}%
15176         \ifcsname c@chapter\endcsname
15177           \@addtoreset{#1}{chapter}%
15178           \@chapterlistsgap@on{#1}%
15179           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15180         \else
15181           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
15182         \fi
15183       \else
15184         \newfloat@Error{Invalid value `#2' for option `within'}%
15185       \fi
15186     \fi
15187   \fi}

```



## 89 File ntheorem-xetex-bidi.def

```
15188 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
15189 \gdef\@thm#1#2#3{%
15190   \if@thmmarks
15191     \stepcounter{end\InTheoType ctr}%
15192   \fi
15193   \renewcommand{\InTheoType}{#1}%
15194   \if@thmmarks
15195     \stepcounter{curr#1ctr}%
15196     \setcounter{end#1ctr}{0}%
15197   \fi
15198   \refstepcounter{#2}%
15199   \theorem@prework
15200   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15201   \ifvmode \advance\thm@topsepadd\partopsep\fi
15202   \trivlist
15203   \@topsep \theorempreskipamount
15204   \@topsepadd \thm@topsepadd % used by \endparenv
15205   \advance\linewidth -\theorem@indent
15206   \advance\@totalleftmargin \theorem@indent
15207   \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15208   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

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

```
15209 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
15210 \gdef\@thm#1#2#3{%
15211   \if@thmmarks
15212     \stepcounter{end\InTheoType ctr}%
15213   \fi
15214   \renewcommand{\InTheoType}{#1}%
15215   \if@thmmarks
15216     \stepcounter{curr#1ctr}%
15217     \setcounter{end#1ctr}{0}%
15218   \fi
15219   \refstepcounter{#2}%
15220   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15221   \ifvmode \advance\thm@topsepadd\partopsep\fi
15222   \trivlist
15223   \@topsep \theorempreskipamount
15224   \@topsepadd \thm@topsepadd % used by \endparenv
15225   \advance\linewidth -\theorem@indent
15226   \advance\@totalleftmargin \theorem@indent
15227   \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15228   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

## 91 File overpic-xetex-bidi.def

```
15229 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package]
```



```

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

```

## 92 File pdfbase-xetex-bidi.def

```

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

```



```

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

```

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

```

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

```



```

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

```

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

```

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

```



```

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

```

## 95 File picinpar-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

15518 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15519 \unvbox\windowbox%
15520 \loop
15521 \setbox\bslice=\vsplit\rawtext to\baselineskip
15522 \prune\bslice\linewidth
15523 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15524 \unvbox\wbslice
15525 \ifdim\ht\rawtext>Opt
15526 \repeat
15527 }% FINITO

```

## 96 File plain-xetex-bidi.def

```

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

```



```

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

```



```

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

```

## 97 File pstricks-xetex-bidi.def

```

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

```



```

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

```

## 98 File quotchap-xetex-bidi.def

```

15670 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15671 \renewcommand{\qauthor}[1]{%
15672   \par\smallskip
15673   {\ifRTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
15674 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15675   {\size@chapter{\sectfont\ifRTL\raggedright\else\raggedleft\fi
15676     {\chapnumfont
15677       \ifnum \c@secnumdepth >\m@ne%
15678       \ifmainmatter\thechapter%
15679       \fi\fi
15680       \par\nobreak}%
15681     {\ifRTL\raggedright\else\raggedleft\fi\advance\ifRTL\rightmargin\else\leftmargin\fi10pt}
15682     \nobreak\chapterheadendvskip}}
15683 \renewcommand*{\@iprintcites}{%
15684   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15685   \global\let\@printcites\relax}

```

## 99 File ragged2e-xetex-bidi.def

```

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

```



```

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

```



```

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

```

## 100 File rapport1-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

15903         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15904         \sloppy\clubpenalty4000\widowpenalty4000%
15905         \sfcode`\.\@m}
15906     {\def\@noitemerr
15907         {\@latex@warning{Empty `thebibliography' environment}}}%
15908     \endlist}
15909 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15910 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15911 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15912 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15913 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15914 \renewcommand*\theequation{%
15915     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15916 \renewcommand*\thefigure{%
15917     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
15918 \renewcommand*\thetable{%
15919     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
15920 \if@titlepage
15921 \renewcommand*\TitleFont{\rmfamily}
15922 \renewcommand*\maketitle{%
15923     \begin{titlepage}%
15924         \let\footnotesize\small
15925         \let\right@footnoterule\relax
15926         \let\left@footnoterule\relax
15927         \let\textwidth@footnoterule\relax
15928         \let \footnote \thanks
15929         \long\def\@makefnmark##1{\parindent\z@
15930             \def\labelitemi{\textendash}\@revlabeltrue
15931             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15932         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15933         \if@compatibility\setcounter{page}{0}\fi
15934         \null\vfil
15935         \vskip 60\p@
15936         \begin{center}%
15937             \TitleFont
15938             {\LARGE \def\\{\penalty -\@M}
15939                 \if@allcaps
15940                     \expandafter\uc@nothanks\@title\thanks\relax
15941                 \else
15942                     \@title
15943                 \fi\par}%
15944             \vskip 3em%
15945             {\large
15946                 \lineskip .75em \parindent\z@
15947                 \begin{tabular}[t]{c}%
15948                     \if@allcaps
15949                         \expandafter\uc@authornothanks\@author\and\relax
15950                     \else
15951                         \@author
15952                     \fi

```



```

15953         \end{tabular}\par}%
15954     \vskip 1.5em%
15955     {\large
15956         \if@allcaps
15957             \uppercase\expandafter{\@date}%
15958         \else
15959             \@date
15960         \fi\par}%
15961     \end{center}\par
15962     \@thanks
15963     \vfil\null
15964 \end{titlepage}%
15965 \setcounter{footnote}{0}%
15966 \global\let\thanks\relax
15967 \global\let\maketitle\relax
15968 \global\let\@thanks\@empty
15969 \global\let\@author\@empty
15970 \global\let\@title\@empty
15971 \global\let\@date\@empty
15972 \global\let\title\relax
15973 \global\let\author\relax
15974 \global\let\date\relax
15975 \global\let\and\relax
15976 }
15977 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15978 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15979     \futurelet\@tempa\uc@ax}
15980 \def\uc@ax{%
15981     \ifx\@tempa\relax
15982     \else
15983         \\\andname \\\expandafter\uc@authornothanks
15984     \fi}
15985 \def\uc@tx{\ifx\@tempa\relax
15986     \else \expandafter\uc@ty \fi}
15987 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15988 \else
15989 \renewcommand*\maketitle{\par
15990     \beginingroup
15991     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15992     \def\@makefnmark{\rlap{%
15993         \@textsuperscript{\normalfont\@thefnmark}}}%
15994     \long\def\@makefntext{\@xmakefntext{%
15995         \@textsuperscript{\normalfont\@thefnmark}}}%
15996     \if@twocolumn
15997         \ifnum \col@number=\@ne
15998             \@maketitle
15999         \else
16000             \twocolumn[\@maketitle]%
16001         \fi
16002     \else

```



```

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

```

## 101 File rapport3-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

16150 \setcounter{footnote}{0}%
16151 \global\let\thanks\relax
16152 \global\let\LTRthanks\relax
16153 \global\let\RTLthanks\relax
16154 \global\let\maketitle\relax
16155 \global\let\@maketitle\relax
16156 \global\let\@thanks\@empty
16157 \global\let\@author\@empty
16158 \global\let\@title\@empty
16159 \global\let\@date\@empty
16160 \global\let\title\relax
16161 \global\let\author\relax
16162 \global\let\date\relax
16163 \global\let\and\relax
16164 }
16165 \def\@maketitle{%
16166 \newpage
16167 \null
16168 \vskip 2em%
16169 \if@titlecentered
16170 \begin{center}%
16171 \let \footnote \thanks
16172 \let \LTRfootnote \LTRthanks
16173 \let \RTLfootnote \RTLthanks
16174 {\LARGE \TitleFont \@title \par}%
16175 \vskip 1.5em%
16176 {\large \TitleFont
16177 \lineskip .5em%
16178 \begin{tabular}[t]{c}%
16179 \@author
16180 \end{tabular}\par}%
16181 \vskip 1em%
16182 {\large \TitleFont \@date}%
16183 \end{center}%
16184 \else
16185 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
16186 {\large \TitleFont \lineskip .5em \tabcolsep\z@
16187 \def\and{%% \begin{tabular} has already started
16188 \end{tabular}\hskip 1em plus .17fil
16189 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
16190 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
16191 \vskip 1em {\large \TitleFont \@date}
16192 \fi
16193 \par
16194 \vskip 1.5em}
16195 \fi
16196 \renewcommand*\@regtocline[3]{%
16197 \ifnum #1>\c@tocdepth
16198 \else
16199 \vskip\z@\@plus.2\p@

```



```

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

```



```

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

```





```

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

```

## 102 File refrep-xetex-bidi.def

```

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

```



```

16347     \end{tabular}\par}%
16348     \vskip 1.5em%
16349     {\large \@date \par}%           % Set date in \large size.
16350 \end{center}\par
16351 \@thanks
16352 \vfil\null
16353 \end{titlepage}%
16354 \setcounter{footnote}{0}%
16355 \global\let\thanks\relax
16356 \global\let\LTRthanks\relax
16357 \global\let\RTLthanks\relax
16358 \global\let\maketitle\relax
16359 \global\let\@thanks\@empty
16360 \global\let\@author\@empty
16361 \global\let\@date\@empty
16362 \global\let\@title\@empty
16363 \global\let\title\relax
16364 \global\let\author\relax
16365 \global\let\date\relax
16366 \global\let\and\relax
16367 }
16368 \else
16369 \renewcommand\maketitle{\par
16370 \begingroup
16371 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16372 \def\@makefnmark%
16373     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16374 \long\def\@makefntext##1{%
16375     \setpar{\@par
16376         \@tempdima = \hsize
16377         \advance\@tempdima -1em
16378         \parshape \@ne 1em \@tempdima}%
16379     \par\parindent 1em \noindent
16380     \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16381 \if@twocolumn
16382 \ifnum \col@number=\@ne
16383     \maketitle
16384 \else
16385     \twocolumn[\maketitle]%
16386 \fi
16387 \else
16388     \newpage
16389     \global\@topnum\z@    % Prevents figures from going at top of page.
16390     \maketitle
16391 \fi
16392 \thispagestyle{empty}\@thanks
16393 \endgroup
16394 \setcounter{footnote}{0}%
16395 \global\let\thanks\relax
16396 \global\let\LTRthanks\relax

```



```

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

```



```

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

```



```

16497     {\def\@noitemerr
16498       {\@latex@warning{Empty `thebibliography' environment}}}%
16499     \endlist}

```

## 103 File report-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

16644 \hrule\@width.4\columnwidth
16645 \kern2.6\p@}
16646 \renewcommand\right@footnoterule{%
16647 \kern-3\p@
16648 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16649 \kern2.6\p@}
16650 \renewcommand\theequation
16651 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16652 \renewcommand \thefigure
16653 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16654 \renewcommand \thetable
16655 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16656 \renewcommand \thechapter {\@arabic\c@chapter}
16657 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16658 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16659 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16660 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16661 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16662 \def\@makechapterhead#1{%
16663 \vspace*{50\p@}%
16664 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16665 \ifnum \c@secnumdepth >\m@ne
16666 \huge\bfseries \@chapapp\space \thechapter
16667 \par\nobreak
16668 \vskip 20\p@
16669 \fi
16670 \interlinepenalty\@M
16671 \Huge \bfseries #1\par\nobreak
16672 \vskip 40\p@
16673 }}
16674 \def\@makeschapterhead#1{%
16675 \vspace*{50\p@}%
16676 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16677 \normalfont
16678 \interlinepenalty\@M
16679 \Huge \bfseries #1\par\nobreak
16680 \vskip 40\p@
16681 }}
16682 \renewenvironment{thebibliography}[1]
16683 {\chapter*{\bibname}%
16684 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16685 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16686 \bidi@thebibliography@font@hook%
16687 \list{\@biblabel{\@arabic\c@enumiv}}%
16688 {\settowidth\labelwidth{\@biblabel{#1}}%
16689 \leftmargin\labelwidth
16690 \advance\leftmargin\labelsep
16691 \@openbib@code
16692 \usecounter{enumiv}%
16693 \let\p@enumiv\@empty

```





```

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

```

## 104 File rotating-xetex-bidi.def

```

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

```



```

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

```



```

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

```

## 105 File scrartcl-xetex-bidi.def

```

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

```



```

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

```



```

16888      \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16889      \kern 2.6\p@}
16890 \renewcommand*\maketitle[1][1]{%
16891   \if@titlepage
16892     \begin{titlepage}
16893       \setcounter{page}{%
16894         #1%
16895       }%
16896       \let\footnotesize\small
16897       \let\right@footnoterule\relax
16898       \let\left@footnoterule\relax
16899       \let\textwidth@footnoterule\relax
16900       \let\footnote\thanks
16901       \let\LTRfootnote\LTRthanks
16902       \let\RTLfootnote\RTLthanks
16903       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16904       \let\@oldmakefnmark\@makefnmark
16905       \renewcommand*\@makefnmark{\@rhap\@oldmakefnmark}%
16906       \ifx\@extratitle\@empty \else
16907         \noindent\@extratitle\next@tpage\cleardoubleemptypage
16908         \thispagestyle{empty}%
16909       \fi
16910       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16911       \ifx\@titlehead\@empty \else
16912         \begin{minipage}[t]{\textwidth}%
16913           \@titlehead
16914         \end{minipage}\par
16915       \fi
16916       \null\vfill
16917       \begin{center}
16918         \ifx\@subject\@empty \else
16919           {\subject@font \@subject \par}%
16920           \vskip 3em
16921         \fi
16922         {\titlefont\huge \@title\par}%
16923         \vskip 1em
16924         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16925         \vskip 2em
16926         {\Large \lineskip 0.75em
16927           \begin{tabular}[t]{c}
16928             \@author
16929           \end{tabular}\par
16930         }%
16931         \vskip 1.5em
16932         {\Large \@date \par}%
16933         \vskip \z@ \@plus3fill
16934         {\Large \@publishers \par}%
16935         \vskip 3em
16936       \end{center}\par
16937       \@thanks

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 106 File scrbook-xetex-bidi.def

```

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

```



```

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

```



```

17435 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17436 {\usekomafont{footnoterule}{%
17437     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17438     \kern 2.6\p@}
17439 \renewcommand*\maketitle[1][1]{%
17440 \if@titlepage
17441     \begin{titlepage}
17442     \setcounter{page}{%
17443         #1%
17444     }%
17445     \let\footnotesize\small
17446     \let\right@footnoterule\relax
17447     \let\left@footnoterule\relax
17448     \let\textwidth@footnoterule\relax
17449     \let\footnote\thanks
17450     \let\LTRfootnote\LTRthanks
17451     \let\RTLfootnote\RTLthanks
17452     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17453     \let\@oldmakefnmark\@makefnmark
17454     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17455     \ifx\@extratitle\@empty \else
17456         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17457         \thispagestyle{empty}%
17458     \fi
17459     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17460     \ifx\@titlehead\@empty \else
17461         \begin{minipage}[t]{\textwidth}%
17462         \@titlehead
17463         \end{minipage}\par
17464     \fi
17465     \null\vfill
17466     \begin{center}
17467         \ifx\@subject\@empty \else
17468             {\subject@font \@subject \par}%
17469             \vskip 3em
17470         \fi
17471         {\titlefont\huge \@title\par}%
17472         \vskip 1em
17473         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17474         \vskip 2em
17475         {\Large \lineskip 0.75em
17476         \begin{tabular}[t]{c}
17477             \@author
17478         \end{tabular}\par
17479         }%
17480         \vskip 1.5em
17481         {\Large \@date \par}%
17482         \vskip \z@ \@plus3fil
17483         {\Large \@publishers \par}%
17484         \vskip 3em

```





```

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

```



```

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

```



```

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

```



```

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

```



```

17685 }%
17686 \sloppy\clubpenalty4000 \widowpenalty4000
17687 \sfcode`\.\=\@m
17688 }{%
17689 \if@bib@break@
17690 \def\@noitemerr{%
17691 \@latex@warning{%
17692 \string\BreakBibliography\space at begin of `thebibliography'
17693 environment\MessageBreak
17694 or following \string\BreakBibliography}%
17695 }%
17696 \else
17697 \def\@noitemerr{%
17698 \@latex@warning{%
17699 Empty `thebibliography' environment or
17700 \string\BreakBibliography\MessageBreak
17701 before end of `thebibliography' environment}%
17702 }%
17703 \fi
17704 \endlist
17705 \if@bib@break@
17706 \else
17707 \bib@after@hook
17708 \let\bib@before@hook\@empty
17709 \let\bib@after@hook\@empty
17710 \fi
17711 \bib@endhook
17712 }
17713 \renewcommand*\left@footnoterule{%
17714 \kern-3\p@
17715 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17716 \hrule\@width.4\columnwidth
17717 \kern 2.6\p@}
17718 \renewcommand*\right@footnoterule{%
17719 \kern-3\p@
17720 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17721 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17722 \kern2.6\p@}
17723 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17724 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17725 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17726 \renewcommand\marginline[1]{%
17727 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17728 }
17729 \renewcommand{\@makecaption}[3]{%
17730 \cap@margin
17731 \ifonelinecaptions
17732 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17733 \let\scr@tmp@footnotetext=\@footnotetext
17734 \let\@footnotetext=\@gobble

```



```

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

```



```

17785      \ht\@tempboxa\ht\strutbox
17786      \dp\@tempboxa\@tempdima
17787      \strut\cap@left
17788      \box\@tempboxa
17789      \cap@right\strut
17790    }%
17791  \else
17792    \global \@minipagefalse
17793    \sbox\@tempboxa{%
17794      {\capfont{\scr@smashdp{\strut\ignorespaces
17795        #1{\caplabelfont{#2\captionformat}}}}%
17796        #3}}%
17797    }%
17798    {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}
17799  \fi
17800 \endgroup
17801 }
17802 \renewcommand{\@makecaption}[2]{%
17803   \if@captionabove
17804     \vskip\belowcaptionskip
17805   \else
17806     \vskip\abovecaptionskip
17807   \fi
17808   @@makecaption\@firstofone{#1}{#2}%
17809   \if@captionabove
17810     \vskip\abovecaptionskip
17811   \else
17812     \vskip\belowcaptionskip
17813   \fi
17814 }
17815 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17816   \@ifpackageloaded{caption2}{\@komalongtablefalse
17817     \scr@caption@before@longtable@warning{caption2}%
17818   }{}%
17819   \if@komalongtable
17820     \renewcommand{\LT@makecaption}[3]{%
17821       \noalign{%
17822         \if@captionabove
17823           \vskip\belowcaptionskip
17824         \else
17825           \vskip\abovecaptionskip
17826         \fi
17827       }%
17828       \LT@mcol\LT@cols c{%
17829         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17830           \@makecaption{#1}{#2}{#3}%
17831         }}
17832       \endgraf
17833       \if@captionabove
17834         \vskip\abovecaptionskip
17835       \else

```



```

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

```





```

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

```



```

17935 afterskip=1.5ex \@plus .2ex,%
17936 tocstyle=section,%
17937 tocindent=3.8em,%
17938 tocnumwidth=3.2em%
17939]{subsection}
17940\DeclareSectionCommand[%
17941 style=section,%
17942 level=3,%
17943 indent=\z@,%
17944 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17945 afterskip=1.5ex \@plus .2ex,%
17946 tocstyle=section,%
17947 tocindent=7.0em,%
17948 tocnumwidth=4.1em%
17949]{subsubsection}
17950\DeclareSectionCommand[%
17951 style=section,%
17952 level=4,%
17953 indent=\z@,%
17954 beforekip=3.25ex \@plus1ex \@minus .2ex,%
17955 afterskip=-1em,%
17956 tocstyle=section,%
17957 tocindent=10em,%
17958 tocnumwidth=5em%
17959]{paragraph}
17960\DeclareSectionCommand[%
17961 style=section,%
17962 level=5,%
17963 indent=\scr@parindent,%
17964 beforekip=3.25ex \@plus1ex \@minus .2ex,%
17965 afterskip=-1em,%
17966 tocstyle=section,%
17967 tocindent=12em,%
17968 tocnumwidth=6em%
17969]{subparagraph}
17970
17971

```

## 107 File scrlettr-xetex-bidi.def

```

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

```



```

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

```



```

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

```



## 108 File scrreprt-xetex-bidi.def

```

18080 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
18081 \newcommand{\scr@saved@LTRfootnotetext}{}
18082 \newcommand{\scr@saved@RTLfootnotetext}{}
18083 \let\scr@saved@footnotetext\@footnotetext
18084 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18085 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18086 \renewcommand{\@footnotetext}[1]{%
18087   \scr@saved@footnotetext{#1}%
18088   \csname FN@mf@prepare\endcsname
18089 }
18090 \renewcommand{\@LTRfootnotetext}[1]{%
18091   \scr@saved@LTRfootnotetext{#1}%
18092   \csname FN@mf@prepare\endcsname
18093 }
18094 \renewcommand{\@RTLfootnotetext}[1]{%
18095   \scr@saved@RTLfootnotetext{#1}%
18096   \csname FN@mf@prepare\endcsname
18097 }
18098 \renewcommand\deffootnote[4] [] {%
18099   \long\def\@makefnmark##1{%
18100     \setlength{\@tempdimc}{#3}%
18101     \def\@tempa{#1}\ifx\@tempa\@empty
18102       \setpar{\@par
18103         \@tempdima = \hsize
18104         \addtolength{\@tempdima}{-#2}%
18105         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18106     \else
18107       \addtolength{\@tempdimc}{#2}%
18108       \addtolength{\@tempdimc}{-#1}%
18109       \setpar{\@par
18110         \@tempdima = \hsize
18111         \addtolength{\@tempdima}{-#1}%
18112         \@tempdimb = \hsize
18113         \addtolength{\@tempdimb}{-#2}%
18114         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
18115       }%
18116     \fi
18117     \par
18118     \parindent\@tempdimc\noindent
18119     \fnt@font\hbox to \z@{\hss\@makefnmark}##1%
18120   }%
18121   \def\@makefnmark{\hbox{\fntm@font{#4}}}%
18122 }
18123 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18124 \renewcommand*\left@footnoterule{%
18125   \normalsize\ftn@rule@test@values
18126   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18127   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi

```



```

18128 {\usekomafont{footnoterule}{%
18129     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18130 \kern 2.6\p@}
18131 \renewcommand*\right@footnoterule{%
18132     \normalsize\ftn@rule@test@values
18133     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18134     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18135     {\usekomafont{footnoterule}{%
18136         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
18137     \kern 2.6\p@}
18138 \renewcommand*\maketitle[1][1]{%
18139     \if@titlepage
18140         \begin{titlepage}
18141             \setcounter{page}{%
18142                 #1%
18143             }%
18144             \let\footnotesize\small
18145             \let\right@footnoterule\relax
18146             \let\left@footnoterule\relax
18147             \let\textwidth@footnoterule\relax
18148             \let\footnote\thanks
18149             \let\LTRfootnote\LTRthanks
18150             \let\RTLfootnote\RTLthanks
18151             \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18152             \let\@oldmakefnmark\@makefnmark
18153             \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
18154             \ifx\@extratitle\@empty \else
18155                 \noindent\@extratitle\next@tpage\cleardoubleemptypage
18156                 \thispagestyle{empty}%
18157             \fi
18158             \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18159             \ifx\@titlehead\@empty \else
18160                 \begin{minipage}[t]{\textwidth}%
18161                     \@titlehead
18162                 \end{minipage}\par
18163             \fi
18164             \null\vfill
18165             \begin{center}
18166                 \ifx\@subject\@empty \else
18167                     {\subject@font \@subject \par}%
18168                     \vskip 3em
18169                 \fi
18170                 {\titlefont\huge \@title\par}%
18171                 \vskip 1em
18172                 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18173                 \vskip 2em
18174                 {\Large \lineskip 0.75em
18175                     \begin{tabular}[t]{c}
18176                         \@author
18177                     \end{tabular}\par

```



```

18178     }%
18179     \vskip 1.5em
18180     {\Large \@date \par}%
18181     \vskip \z@ \@plus3fill
18182     {\Large \@publishers \par}%
18183     \vskip 3em
18184 \end{center}\par
18185 \@thanks
18186 \vfill\null
18187 \if@twoside\next@tpage
18188   \begin{minipage}[t]{\textwidth}
18189     \uppertitleback
18190   \end{minipage}\par
18191   \vfill
18192   \begin{minipage}[b]{\textwidth}
18193     \lowertitleback
18194   \end{minipage}
18195 \fi
18196 \ifx\@dedication\@empty \else
18197   \next@tpage\null\vfill
18198   {\centering \Large \@dedication \par}%
18199   \vskip \z@ \@plus3fill
18200   \if@twoside \next@tpage\cleardoubleemptypage \fi
18201 \fi
18202 \end{titlepage}
18203 \else
18204   \par
18205   \@tempcnta=%
18206   #1%
18207   \relax\ifnum\@tempcnta=1\else
18208     \ClassWarning{\KOMAClassName}{%
18209       Optional argument of \string\maketitle\space ignored
18210       at\MessageBreak
18211       notitlepage-mode%
18212     }%
18213   \fi
18214   \begingroup
18215     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18216     \let\@oldmakefnmark\@makefnmark
18217     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
18218     \if@twocolumn
18219       \ifnum \col@number=\@one
18220         \@maketitle
18221       \else
18222         \twocolumn[\@maketitle]%
18223       \fi
18224     \else
18225       \newpage
18226       \global\@topnum\z@
18227       \@maketitle

```



```

18228     \fi
18229     \thispagestyle{\titlepagestyle}\@thanks
18230   \endgroup
18231 \fi
18232 \setcounter{footnote}{0}%
18233 \let\thanks\relax
18234 \let\LTRthanks\relax
18235 \let\RTLthanks\relax
18236 \let\maketitle\relax
18237 \let\@maketitle\relax
18238 \global\let\@thanks\@empty
18239 \global\let\@author\@empty
18240 \global\let\@date\@empty
18241 \global\let\@title\@empty
18242 \global\let\@subtitle\@empty
18243 \global\let\@extratitle\@empty
18244 \global\let\@titlehead\@empty
18245 \global\let\@subject\@empty
18246 \global\let\@publishers\@empty
18247 \global\let\@uppertitleback\@empty
18248 \global\let\@lowertitleback\@empty
18249 \global\let\@dedication\@empty
18250 \global\let\author\relax
18251 \global\let\title\relax
18252 \global\let\extratitle\relax
18253 \global\let\titlehead\relax
18254 \global\let\subject\relax
18255 \global\let\publishers\relax
18256 \global\let\uppertitleback\relax
18257 \global\let\lowertitleback\relax
18258 \global\let\dedication\relax
18259 \global\let\date\relax
18260 \global\let\and\relax
18261 }%
18262 \renewcommand*{\@maketitle}{%
18263   \clearpage
18264   \let\footnote\thanks
18265   \let\LTRfootnote\LTRthanks
18266   \let\RTLfootnote\RTLthanks
18267   \ifx\@extratitle\@empty \else
18268     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18269   \fi
18270   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
18271   \ifx\@titlehead\@empty \else
18272     \begin{minipage}[t]{\textwidth}
18273       \@titlehead
18274     \end{minipage}\par
18275   \fi
18276   \null
18277   \vskip 2em%

```





```

18278 \begin{center}%
18279 \ifx\@subject\@empty \else
18280 {\subject@font \@subject \par}
18281 \vskip 1.5em
18282 \fi
18283 {\titlefont\huge \@title \par}%
18284 \vskip .5em
18285 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18286 \vskip 1em
18287 {\Large
18288 \lineskip .5em%
18289 \begin{tabular}[t]{c}
18290 \@author
18291 \end{tabular}\par
18292 }%
18293 \vskip 1em%
18294 {\Large \@date \par}%
18295 \vskip \z@ \@plus 1em
18296 {\Large \@publishers \par}
18297 \ifx\@dedication\@empty \else
18298 \vskip 2em
18299 {\Large \@dedication \par}
18300 \fi
18301 \end{center}%
18302 \par
18303 \vskip 2em
18304 }%
18305 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18306 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18307 \renewcommand*\thesection{%
18308 \thechapter\@SepMark%
18309 \@arabic\c@section
18310 }
18311 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
18312 \renewcommand*{\thesubsubsection}{%
18313 \thesubsection\@SepMark\@arabic\c@subsubsection
18314 }
18315 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18316 \renewcommand*{\thesubparagraph}{%
18317 \theparagraph\@SepMark\@arabic\c@subparagraph
18318 }
18319 \renewcommand*\thefigure{%
18320 \thechapter\@SepMark%
18321 \@arabic\c@figure
18322 }
18323 \renewcommand*\thetable{%
18324 \thechapter\@SepMark%
18325 \@arabic\c@table
18326 }
18327 \renewcommand*\theequation{%

```



```

18328 \thechapter\@SepMark%
18329 \@arabic\c@equation
18330 }
18331 \renewenvironment{thebibliography}[1]{%
18332 \if@bib@break@
18333 \bib@beginhook
18334 \else
18335 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18336 \setchapterpreamble{\bibpreamble}%
18337 \fi\fi
18338 \bib@heading
18339 \bib@beginhook
18340 \bib@before@hook
18341 \fi
18342 \renewcommand{\BreakBibliography}[1]{%
18343 \@bib@break
18344 \end{thebibliography}%
18345 \begingroup ##1\endgroup
18346 \begin{thebibliography}{#1}
18347 }%
18348 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18349 \bidi@@thebibliography@font@hook%
18350 \list{%
18351 \@biblabel{\@arabic\c@enumiv}%
18352 }{%
18353 \settowidth\labelwidth{\@biblabel{#1}}%
18354 \leftmargin\labelwidth
18355 \advance\leftmargin\labelsep
18356 \@openbib@code
18357 \if@bib@break@
18358 \edef\@tempa{%
18359 \noexpand\usecounter{enumiv}%
18360 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18361 }@tempa
18362 \no@bib@break
18363 \else
18364 \usecounter{enumiv}%
18365 \fi
18366 \let\p@enumiv\@empty
18367 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18368 }%
18369 \sloppy\clubpenalty4000 \widowpenalty4000
18370 \sfcode`\.=\@m
18371 }{%
18372 \if@bib@break@
18373 \def\@noitemerr{%
18374 \@latex@warning{%
18375 \string\BreakBibliography\space at begin of `thebibliography'
18376 environment\MessageBreak
18377 or following \string\BreakBibliography}%

```



```

18378 }%
18379 \else
18380 \def\@noitemerr{%
18381 \@latex@warning{%
18382 Empty `thebibliography' environment or
18383 \string\BreakBibliography\MessageBreak
18384 before end of `thebibliography' environment}%
18385 }%
18386 \fi
18387 \endlist
18388 \if@bib@break@
18389 \else
18390 \bib@after@hook
18391 \let\bib@before@hook\@empty
18392 \let\bib@after@hook\@empty
18393 \fi
18394 \bib@endhook
18395 }
18396 \renewcommand*\left@footnoterule{%
18397 \kern-3\p@
18398 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18399 \hrule\@width.4\columnwidth
18400 \kern 2.6\p@}
18401 \renewcommand*\right@footnoterule{%
18402 \kern-3\p@
18403 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18404 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18405 \kern2.6\p@}
18406 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18407 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18408 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18409 \renewcommand\marginline[1]{%
18410 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18411 }
18412 \renewcommand{\@makecaption}[3]{%
18413 \cap@margin
18414 \ifonelinecaptions
18415 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18416 \let\scr@tmp@footnotetext=\@footnotetext
18417 \let\@footnotetext=\@gobble
18418 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18419 \let\@LTRfootnotetext=\@gobble
18420 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18421 \let\@RTLfootnotetext=\@gobble
18422 \sbox\@tempboxa{%
18423 {\capfont{\strut\ignorespaces
18424 #1{\caplabelfont{#2\captionformat}}}%
18425 #3\unskip\strut}}%
18426 }%
18427 \let\@footnotetext=\scr@tmp@footnotetext

```



```

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

```



```

18478         #1{{\caplabelfont{#2\captionformat}}}}%
18479         #3}}%
18480     }%
18481     {\capfont{\hb@xt@{hsize}{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}
18482     \fi
18483 \endgroup
18484 }
18485 \renewcommand{\@makecaption}[2]{%
18486   \if@captionabove
18487     \vskip\belowcaptionskip
18488   \else
18489     \vskip\abovecaptionskip
18490   \fi
18491   \@makecaption\@firstofone{#1}{#2}%
18492   \if@captionabove
18493     \vskip\abovecaptionskip
18494   \else
18495     \vskip\belowcaptionskip
18496   \fi
18497 }
18498 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18499   \@ifpackageloaded{caption2}{\@komalongtablefalse
18500     \scr@caption@before@longtable@warning{caption2}%
18501   }{}%
18502   \if@komalongtable
18503     \renewcommand{\LT@makecaption}[3]{%
18504       \noalign{%
18505         \if@captionabove
18506           \vskip\belowcaptionskip
18507         \else
18508           \vskip\abovecaptionskip
18509         \fi
18510       }%
18511       \LT@mcol\LT@cols c{%
18512         \hbox to\z@{\hss\parbox[t]{\linewidth{%
18513           \@makecaption{#1}{#2}{#3}%
18514         }\endgraf
18515         \if@captionabove
18516           \vskip\abovecaptionskip
18517         \else
18518           \vskip\belowcaptionskip
18519         \fi
18520       }%
18521       \hss
18522     }%
18523   }%
18524 }%
18525 \renewcommand*{\scr@LT@array}{}%
18526 \let\scr@LT@array=\LT@array
18527 \renewcommand*{\LT@array}{%

```



```

18528 \let\scr@caption=\LT@caption
18529 \def\captionabove{\noalign{\global\@captionabovetrue}%
18530 \scr@caption}%
18531 \def\captionbelow{\noalign{\global\@captionabovefalse}%
18532 \scr@caption}%
18533 \if@tablecaptionabove
18534 \let\LT@caption=\captionabove
18535 \else
18536 \let\LT@caption=\captionbelow
18537 \fi
18538 \scr@LT@array
18539 }%
18540 \ClassInfo{\KOMAClassName}{%
18541 longtable captions redefined%
18542 }%
18543 \fi
18544 }
18545
18546 \CloneTOCEntryStyle{tocline}{part}
18547 \TOCEntryStyleStartInitCode{part}{%
18548 \expandafter\renewcommand%
18549 \csname scr@tso@#1@linefill\endcsname{\hfill}%
18550 \expandafter\renewcommand%
18551 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18552 \expandafter\renewcommand%
18553 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18554 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18555 \expandafter\renewcommand\expandafter*%
18556 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
18557 }
18558
18559 \CloneTOCEntryStyle{tocline}{chapter}
18560 \TOCEntryStyleStartInitCode{chapter}{%
18561 \expandafter\renewcommand%
18562 \csname scr@tso@#1@linefill\endcsname{%
18563 \if@chapterentrywithdots
18564 \TOCLineLeaderFill\relax
18565 \else
18566 \hfill
18567 \fi
18568 }%
18569 \expandafter\renewcommand%
18570 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18571 \expandafter\renewcommand%
18572 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18573 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18574 \expandafter\renewcommand\expandafter*%
18575 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
18576 }
18577

```



```

18578 \CloneTOCEntryStyle{tocline}{section}
18579 \TOCEntryStyleStartInitCode{section}{%
18580   \expandafter\renewcommand%
18581   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18582 }
18583
18584 \CloneTOCEntryStyle{section}{default}
18585
18586 \DeclareSectionCommand[%
18587   style=part,%
18588   level=\m@ne,%
18589   pagestyle=plain,%
18590   tocstyle=part,%
18591   toplevel=\m@ne,%
18592   tocindent=\z@,%
18593   tocnumwidth=2em%
18594 ]{part}
18595 \DeclareSectionCommand[%
18596   style=chapter,%
18597   level=\z@,%
18598   pagestyle=plain,%
18599   tocstyle=chapter,%
18600   tocindent=\z@,%
18601   tocnumwidth=1.5em%
18602 ]{chapter}
18603 \DeclareSectionCommand[%
18604   style=section,%
18605   level=1,%
18606   indent=\z@,%
18607   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18608   afterskip=2.3ex \@plus .2ex,%
18609   tocstyle=section,%
18610   tocindent=1.5em,%
18611   tocnumwidth=2.3em%
18612 ]{section}
18613 \DeclareSectionCommand[%
18614   style=section,%
18615   level=2,%
18616   indent=\z@,%
18617   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18618   afterskip=1.5ex \@plus .2ex,%
18619   tocstyle=section,%
18620   tocindent=3.8em,%
18621   tocnumwidth=3.2em%
18622 ]{subsection}
18623 \DeclareSectionCommand[%
18624   style=section,%
18625   level=3,%
18626   indent=\z@,%
18627   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%

```



```

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

```

## 109 File sidecap-xetex-bidi.def

```

18655 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18656 \renewcommand*{\SC@FLOAT}[2]{\ifRTL%
18657   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18658 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18659 \renewcommand*{\SC@justify@caption}{\ifRTL%
18660 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
18661 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

## 110 File soul-xetex-bidi.def

```

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

```





```

18672 \SOUL@ignorespacesfalse
18673 \leavevmode
18674 \SOUL@preamble
18675 \SOUL@lasttoken={}%
18676 \SOUL@word={}%
18677 \SOUL@minus\z@
18678 \SOUL@comma\z@
18679 \SOUL@apo\z@
18680 \SOUL@grave\z@
18681 \SOUL@do{#1}%
18682 \SOUL@postamble
18683 }}
18684 \def\SOUL@ulunderline#1{%
18685 \setbox\z@\hbox{#1}%
18686 \dimen@=\wd\z@
18687 \dimen@i=\SOUL@uloverlap
18688 \advance\dimen@2\dimen@i
18689 \if@RTL
18690 \unhcopy\z@
18691 \llap{%
18692 \null
18693 \kern-\dimen@i
18694 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18695 }%
18696 \else
18697 \rlap{%
18698 \null
18699 \kern-\dimen@i
18700 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18701 }%
18702 \unhcopy\z@
18703 \fi
18704 }}
18705 \def\SOUL@ulleaders{%
18706 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18707 }
18708 \def\SOUL@uleveryspace#1{%
18709 \if@RTL
18710 #1%
18711 \SOUL@ulleaders
18712 \hskip\spaceskip
18713 \else
18714 \SOUL@ulcolor{%
18715 #1%
18716 \SOUL@ulleaders
18717 \hskip\spaceskip
18718 }%
18719 \fi
18720 \null
18721 }

```



## 111 File stabular-xetex-bidi.def

```
18722 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18723 \def\@stabular{%
18724   \leavevmode \bgroup \if@RTLtab\beginR \fi
18725   \let\@acol\@tabacol
18726   \let\@classz\@tabclassz
18727   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18728 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18729   \egroup \if@RTLtab\endR\fi\egroup}
18730 \expandafter\let\csname endstabular*\endcsname=\endstabular
18731 \def\@sarray[#1]#2{%
18732   \bgroup
18733   \setbox\@arstrutbox\hbox{%
18734     \vrule \@height\arraystretch\ht\strutbox
18735     \@depth\arraystretch\dp\strutbox
18736     \@width\z@}%
18737   \@mkpream{#2}%
18738   \edef\@preamble{%
18739     \ialign \noexpand\@halignto
18740       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18741   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18742   \let\@tabularnewline\%
18743   \let\@sharp##%
18744   \set@typeset@protect
18745   \lineskip\z@skip\baselineskip\z@skip
18746   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18747   \@preamble}
```

## 112 File subfigure-xetex-bidi.def

```
18748 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18749 \AtBeginDocument{%
18750   \let\p@subfigure=\thefigure
18751   \let\p@subtable=\thetable%
18752 }
```

## 113 File tabs-xetex-bidi.def

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



```

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

```

## 114 File tabularx-xetex-bidi.def

```

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

```



```

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

```



```
18861 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}
```

## 115 File tabulary-xetex-bidi.def

```
18862 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18863 \def\@testpach{\@chclass
18864   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18865   \ifnum \@lastchclass=7 5 \else
18866   \ifnum \@lastchclass=8 \tw@ \else
18867   \ifnum \@lastchclass=9 \thr@@
18868   \else \z@
18869   \ifnum \@lastchclass = 10 \else
18870   \edef\@nextchar{\expandafter\string\@nextchar}%
18871   \@chnum
18872   \if \@nextchar c\z@ \else
18873   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18874   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18875   \if \@nextchar C7 \else
18876   \if \@nextchar L8 \else
18877   \if \@nextchar R9 \else
18878   \if \@nextchar J10 \else
18879   \z@ \@chclass
18880   \if\@nextchar |\@ne \else
18881   \if \@nextchar !6 \else
18882   \if \@nextchar @7 \else
18883   \if \@nextchar <8 \else
18884   \if \@nextchar >9 \else
18885   10
18886   \@chnum
18887   \if \@nextchar m\thr@@\else
18888   \if \@nextchar p4 \else
18889   \if \@nextchar b5 \else
18890   \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18891   \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
```

## 116 File tc-xetex-bidi.def

```
18892 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18893 \def\@cliptoboxdim#1{%
18894   \setbox#1=\hbox{%
18895     \Gin@defaultbp\WIDTH{\wd#1}%
18896     \Gin@defaultbp\DEPTH{\dp#1}%
18897     \@tempdima\ht#1%
18898     \advance\@tempdima\dp#1%
18899     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18900     \beginL\special{pdf:bcontent }%
18901     \special{%
18902       pdf:literal direct
18903       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18904     }%
18905   }
```



```

18905      \special{pdf:literal direct W }%
18906      \special{pdf:literal direct n }%
18907      \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18908      \special{pdf:econtent }\endL%
18909    }%
18910  }

```

## 117 File tcolorbox-xetex-bidi.def

```

18911 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox package]
18912 \let\endtcbox@lrbox=\endminipage
18913 \let\endtcbox@savebox=\endtcbox@lrbox
18914
18915 \bidi@patchcmd{\tcb@vbox}{%
18916   \let\@footnotetext\@mpfootnotetext%
18917 }{%
18918   \let\@footnotetext\@mpfootnotetext%
18919   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18920   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18921 }{}{}
18922
18923 \bidi@patchcmd{\endtcbox@vbox}{%
18924   \footnoterule%
18925 }{%
18926   \bidi@mpfootnoterule%
18927 }{}{}
18928 \bidi@apptocmd\tcb@icolorbox{%
18929   \@bidi@list@minipage@parboxfalse
18930 }{}{}

```

## 118 File titlesec-xetex-bidi.def

```

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

```



```

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

```

## 119 File titletoc-xetex-bidi.def

```

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

```



```

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

```

## 120 File tocbibind-xetex-bidi.def

```

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

```





```

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

```

## 121 File tocloft-xetex-bidi.def



```

19090 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
19091 \let\cftdot\@SepMark
19092 \if@cfthaspart
19093 \renewcommand*{\l@part}[2]{
19094   \@cftdopartfalse
19095   \ifnum \c@tocdepth >-2\relax
19096     \if@cfthaschapter
19097       \@cftdoparttrue
19098     \fi
19099     \ifnum \c@tocdepth >\m@ne
19100       \if@cfthaschapter\else
19101         \@cftdoparttrue
19102       \fi
19103     \fi
19104   \fi
19105   \if@cftdopart
19106     \if@cfthaschapter
19107       \addpenalty{-\@highpenalty}
19108     \else
19109       \addpenalty\@secpenalty
19110     \fi
19111     \addvspace{\cftbeforepartskip}
19112     \begingroup
19113       {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
19114        \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19115        \parfillskip -\if@RTL\leftskip\else\righskip\fi
19116        \parindent \cftpartindent\relax\@afterindenttrue
19117        \interlinepenalty\@M
19118        \leavevmode
19119        \@tempdima \cftpartnumwidth\relax
19120        \let\@cftbsnum \cftpartpresnum
19121        \let\@cftasnum \cftpartaftersnum
19122        \let\@cftasnumb \cftpartaftersnumb
19123        \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19124        {\cftpartfont \cftpartpresnum #1}
19125        \cftpartfillnum{#2}}
19126     \nobreak
19127     \if@cfthaschapter
19128       \global\@nobreaktrue
19129       \everypar{\global\@nobreakfalse\everypar{}}
19130     \else
19131       \if@compatibility
19132         \global\@nobreaktrue
19133         \everypar{\global\@nobreakfalse\everypar{}}
19134       \fi
19135     \fi
19136   \endgroup
19137 \fi}
19138 \fi
19139 \if@cfthaschapter

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 122 File tocbasic-xetex-bidi.def

```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

19887 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19888 \ifstr{#1}{subsubsection}{%
19889 \@namedef{scr@tso@#1@indent}{7.0em}%
19890 }{%
19891 \ifstr{#1}{paragraph}{%
19892 \@namedef{scr@tso@#1@indent}{10em}%
19893 }{%
19894 \ifstr{#1}{subparagraph}{%
19895 \@namedef{scr@tso@#1@indent}{12em}%
19896 }{%
19897 }%
19898 }%
19899 }%
19900 }%
19901 }%
19902 }%
19903 }%
19904 }%
19905 }%
19906 }%
19907 }{}%
19908 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19909 \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19910 \ifstrstart{#1}{sub}{%
19911 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19912 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19913 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19914 +.9em%
19915 \relax
19916 }%
19917 }%
19918 }{}%
19919 }{%
19920 \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19921 }%
19922 }{}%
19923 \@ifundefined{scr@tso@#1@numwidth}{%
19924 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19925 \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19926 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19927 \scr@ifundefinedorrelax{chapter}{%
19928 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19929 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19930 \ifstr{#1}{subsubsection}{%
19931 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19932 }{%
19933 \ifstr{#1}{paragraph}{%
19934 \@namedef{scr@tso@#1@numwidth}{4.1em}%
19935 }{%
19936 \ifstr{#1}{subparagraph}{%

```



```

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

```



```

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

```



```

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

```

## 123 File tocstyle-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```

## 124 File todonotes-xetex-bidi.def

```

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

```



```

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

```



```

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

```



## 125 File wrapfig-xetex-bidi.def

```

20428 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20429 \let\WF@everypar\ bidi@n@everypar
20430 \def\WF@putfigmaybe{%
20431 \ifinner
20432 \vskip-\parskip \global\WF@floatfalse
20433 \let\pagetotal\maxdimen % kludge flag for "not top of page"
20434 \else % outer page
20435 \@tempdima\pagedepth % save page depth
20436 {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20437 \penalty\interlinepenalty % update pg. parameters
20438 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20439 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20440 \global\WF@floatfalse
20441 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20442 \else
20443 \ifdim\WF@size>\@tempdimb
20444 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20445 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20446 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20447 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20448 \advance\dimen@.5\baselineskip
20449 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20450 \global\WF@floatfalse \pagebreak
20451 \fi
20452 \else % \WF@info{Fits in \the\@tempdimb;}%
20453 \global\WF@floatfalse
20454 \fi\fi
20455 \vskip\@tempdima\relax % (return erased page depth)
20456 \fi
20457 \noindent
20458 \ifWF@float
20459 \WF@fltnes
20460 \else % putting here;
20461 \WF@info{Put \WF@wfname here;}%
20462 {\ifodd\if@twoside\c@page\else\one\fi % assign l/r to i/o placement
20463 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20464 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20465 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20466 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20467 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20468 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20469 \xdef\WF@adlw{\the\@tempdima}%
20470 \ifnum `l=\WF@place % fig on left
20471 \ifRTL%
20472 \kern\@tempdimb \kern\columnsep
20473 \def\@tempa{\hss}% position to left of the gap
20474 \else%
20475 \hss % figure overlaps space to the left

```



```

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

```

## 126 File xcolor-xetex-bidi.def

```

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

```



```

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

```



```

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

```

## 127 File latex-xetex-bidi.def

```

20608 \ProvidesFile{latex-xetex-bidi.def}[2018/10/11 v1.3.6 bidi adaptations for `latex.ltx' for Xe
20609 \newcommand{\TeXXeTOn}{\TeXXeTstate@ne}
20610 \newcommand{\TeXXeTOff}{\TeXXeTstate\z@}
20611 \TeXXeTOn
20612 \def\bidi@RTL@everypar{\setbox\z@\lastbox\ifRTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20613 \let\bidi@o@everypar=\everypar
20614 \newtoks\bidi@n@everypar
20615 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20616 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20617 \let\everypar=\bidi@n@everypar
20618 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20619 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

20870 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
20871 \def\bidirlap#1{\hb@xt@{z}{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20872 \def\bidillap#1{\hb@xt@{z}{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20873 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20874 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20875 \def\narrower{%
20876 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20877 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20878 \def\underline#1{%
20879 \relax
20880 \ifmmode\@underline{#1}%
20881 \else
20882 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20883 \else
20884 $\@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20885 \if@compatibility
20886 \let\underline=\underline
20887 \fi
20888 \def\@tabular{%
20889 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20890 $\let\@acol\@tabacol
20891 \let\@classz\@tabclassz
20892 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20893 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20894 \egroup $\if@RTLtab\endR\fi\egroup}
20895 \expandafter \let \csname endtabular*\endcsname = \endtabular
20896 \def\@array[#1]#2{%
20897 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20898 \bgroup
20899 \setbox\@arstrutbox\hbox{%
20900 \vrule \@height\arraystretch\ht\strutbox
20901 \@depth\arraystretch \dp\strutbox
20902 \@width\z@}%
20903 \@mkpream{#2}%
20904 \edef\@preamble{%
20905 \ialign \noexpand\@halignto
20906 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20907 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20908 \let\@tabularnewline\\%
20909 \let\par\@empty
20910 \let\@sharp##%
20911 \set@typeset@protect
20912 \lineskip\z@skip\baselineskip\z@skip
20913 \ifhmode \@preamerr\z@ \@@par\fi
20914 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20915 \@preamble}
20916 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20917 \let\@classiv\@arrayclassiv
20918 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20919 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

21370 \global\let\bidid@AtEndOutputPage\@firstofone
21371 \bidid@atendoutputpagehook
21372 }
21373 \long\def\@makecaption#1#2{%
21374 \vskip\abovecaptionskip
21375 \sbox\@tempboxa{#1: #2}%
21376 \ifdim \wd\@tempboxa >\hsize
21377 \ifRTL\beginR\fi#1: #2\ifRTL\endR\fi\par
21378 \else
21379 \global \@minipagefalse
21380 \hb@xt@\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}%
21381 \fi
21382 \vskip\belowcaptionskip}
21383 \let\bidid@saved@eqno=\eqno
21384 \let\bidid@saved@leqno=\leqno
21385 \def\eqno{\ifnum\predisplaydirection<\z@ \bidid@saved@leqno \else \bidid@saved@eqno \fi}
21386 \def\leqno{\ifnum\predisplaydirection<\z@ \bidid@saved@eqno \else \bidid@saved@leqno \fi}
21387 \@ifpackageloaded{amsmath}{}{}
21388 \def\@eqnnum{\normalfont \normalcolor \ifRTL\beginR\fi(\theequation)\ifRTL\endR\fi}
21389 }
21390 \input{footnote-xetex-bidi.def}
21391 \if@twocolumn
21392 \let\autofootnoterule\relax
21393 \let\leftfootnoterule\relax
21394 \let\rightfootnoterule\relax
21395 \textwidthfootnoterule
21396 \fi
21397 \if@bidid@csundef{\idxitem}{}{}
21398 \renewcommand\@idxitem{\par\hangindent \ifRTL-\fi40\p@}%
21399 }
21400 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21401 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
21402 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21403 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21404 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21405 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21406 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21407 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
21408 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21409 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21410 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21411 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21412 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21413 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
21414 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21415 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21416 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21417 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21418 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21419 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}

```





```

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

```



```

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

```



```

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

```

## 128 File xltextra-xetex-bidi.def

```

21540 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21541 \let\@XeTeX\XeTeX
21542 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21543 \let\@XeLaTeX\XeLaTeX
21544 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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

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\% ..... 11407	15137, 15905,	\@@@bidi@AfterPackage
\' ... 11527, 13747, 15743	16299, 16496,	..... 4024, 4028
\( ..... 13848	16699, 17107,	\@@H@@footnotetext
\) ..... 13849	17687, 18370, 19031	..... 8826, 8841
\, ..... 5293, 11790,	\ / ..... 2036	\@@H@@mpfootnotetext
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1771, 6487, 6675,	\@@ ..... 18844, 18846	\@@HRTL@@RTLfootnotetext



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