



The bidi Package

Source documentation for [version 33.0](#)

to my Master, **Ferdowsi The Great**

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You can use *My PayPal.Me* to donate to the bidi package at

<https://www.paypal.me/persiantex>

If you have a problem using *My PayPal.Me*, then please email me at persian-tex@tug.org.

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 do not send any direct email to me; I will not answer any direct email. Instead please use the issue tracker:

<https://gitlab.com/persian-tex/bidi/issues>

In doing so, please always explain your issue well enough, always include a minimal working example showing the issue, and always choose the appropriate label for your query (i.e. if you are reporting any bugs, choose 'Bug' label).

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The *bid* Package

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

Source documentation for [version 33.0](#)

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



```

49 \insert\footins{%
50   \@RTLtrue%
51   \reset@font%
52   \bidi@RTLfootnotetext@font% \normalfont\footnotesize
53   \interlinepenalty\interfootnotelinepenalty
54   \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55   \floatingpenalty\@MM \hsize\columnwidth
56   \@parboxrestore \parindent\normalparindent \sloppy
57   \protected@edef\@currentlabel{%
58     \csname p@footnote\endcsname\@thefnmark}%
59   \@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 column 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}[2015/02/01 v0.1 bidi adaptations for algorithm2e pa
166 \expandafter\ifx\cename algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\cename the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi%
170
171 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}
172 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
173 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}%
174 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
175 \renewcommand{\@algocf@start}{%
176   \@algoskip%
177   \begin{bidi@lrbox}{\algocf@algobox}%
178   \setlength{\algowidth}{\hsize}%
179   \vbox\bgroup% save all the algo in a box
180   \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
181   \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
182   % initialization
183   \addtolength{\hsize}{-1.5\algomargin}%
184   \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
185   \raggedright\AlFnt{}%
186   \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
187   \@algoinsideskip%
188   % \let\@mathdisplay=\]\def\]\{\algocf@endline\@mathdisplay\nl}%
189 }%
190 \renewcommand{\@algocf@finish}{%
191   \@algoinsideskip%
192   \egroup%end of vtop which contain all the text

```




```

193 \hfill\egroup%end of hbox wich contains [margin][vtop]
194 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
195 %
196 \egroup%end of main vbox
197 \end{bidi@lrbox}%
198 \algocf@makethealgo% print the algo
199 \@algoskip%
200 % restore dimension and macros
201 \setlength{\hspace}{\algowidth}%
202 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
203 \let\;=\@mathsemicolon%
204 \let\]=\@mathdisplay%
205 }%

```

4 File amsbook-xetex-bidi.def

```

206 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for XeLaTeX]
207 \def\tocline#1#2#3#4#5#6#7{\relax
208   \ifnum #1>\c@tocdepth % then omit
209   \else
210     \par \addpenalty\@secpenalty\addvspace{#2}%
211     \begingroup \hyphenpenalty\@M
212     \@ifempty{#4}{%
213       \@tempdima\csname r@tocindent\@number#1\endcsname\relax
214     }{%
215       \@tempdima#4\relax
216     }%
217     \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
218     \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
219     #5\leavevmode\hspace-\@tempdima #6\nobreak\relax
220     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
221     \nobreak
222   \endgroup
223 }
224 \renewcommand\thesubsection {\thesecount\@SepMark\arabic{subsection}}
225 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
226 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
227 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
228 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
229   \columnseprule\z@ \columnsep 35\p@
230   \@indextitlestyle
231   \thispagestyle{plain}%
232   \let\item\@idxitem
233   \parindent\z@ \parskip\z@\@plus.3\p@\relax
234   \if@RTL\raggedleft\else\raggedright\fi
235   \hyphenpenalty\@M
236   \footnotesize}
237 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
238 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
239 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}

```



```

240 \def\right@footnoterule{%
241   \kern-.4\p@
242   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
243   \kern11\p@\kern-\footnotesep}
244 \def\left@footnoterule{\kern-.4\p@
245   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
246
247 \long\def\@footnotetext#1{%
248   \insert\footins{%
249     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
250     \reset@font%
251     \bidi@@footnotetext@font% \normalfont\footnotesize
252     \interlinepenalty\interfootnotelinepenalty
253     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
254     \floatingpenalty\@MM \hsize\columnwidth
255     \@parboxrestore \parindent\normalparindent \sloppy
256     \protected@edef\@currentlabel{%
257       \csname p@footnote\endcsname\@thefnmark}%
258     \@makefnintext{%
259       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
260
261 \long\def\@RTLfootnotetext#1{%
262   \insert\footins{%
263     \@RTLtrue%
264     \reset@font%
265     \bidi@RTL@footnotetext@font% \normalfont\footnotesize
266     \interlinepenalty\interfootnotelinepenalty
267     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
268     \floatingpenalty\@MM \hsize\columnwidth
269     \@parboxrestore \parindent\normalparindent \sloppy
270     \protected@edef\@currentlabel{%
271       \csname p@footnote\endcsname\@thefnmark}%
272     \@makefnintext{%
273       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
274
275
276 \long\def\@LTRfootnotetext#1{%
277   \insert\footins{%
278     \@RTLfalse%
279     \reset@font%
280     \bidi@LTR@footnotetext@font% \normalfont\footnotesize
281     \interlinepenalty\interfootnotelinepenalty
282     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
283     \floatingpenalty\@MM \hsize\columnwidth
284     \@parboxrestore \parindent\normalparindent \sloppy
285     \protected@edef\@currentlabel{%
286       \csname p@footnote\endcsname\@thefnmark}%
287     \@makefnintext{%
288       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
289

```



```

290
291
292 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
293 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
294 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
295
296 \renewenvironment{thebibliography}[1]{%
297   \@bibtitlestyle
298   \normalfont\bibliofont\labelsep .5em\relax
299   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
300   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
301   \bidi@@thebibliography@font@hook%
302   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
303     \leftmargin\labelwidth \advance\leftmargin\labelsep
304     \usecounter{enumiv}}%
305   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
306   \sfcode\`.\=@m
307 }{%
308   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
309   \endlist
310 }
311 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
312   \begingroup
313   \fontsize{\@xivpt}{18}\bfseries\centering
314   \ifnum\c@secnumdepth>\m@ne
315     \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
316     \rlap{\vbox to\z@{\vss
317       \centerline{\normalsize\mdseries
318         \uppercase\@xp{\chaptername}\enspace\thechapter}
319       \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
320   #1\par \endgroup
321   \skip@34p@ \advance\skip@-\normalbaselineskip
322   \vskip\skip@ }
323 \def\maketitle{\par
324   \@topnum\z@ % this prevents figures from falling at the top of page 1
325   \begingroup
326   \@maketitle
327   \endgroup
328   \c@footnote\z@
329   \def\do##1{\let##1\relax}%
330   \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
331   \do\author \do\@xauthor \do\address \do\@xaddress
332   \do\email \do\@xemail \do\curraddr \do\@xcurraddr
333   \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
334   \do\keywords \do\@keywords \do\subjclass \do\@subjclass
335 }

```

5 File amsmath-xetex-bidi.def

```

336 \ProvidesFile{amsmath-xetex-bidi.def}[2018/01/08 v1.1 bidi adaptations for amsmath package for

```



```

337 \let\veqno=\eqno
338 \iftagsleft@ \let\veqno=\leqno \fi
339 \renewcommand{\numberwithin}[3][\arabic]{%
340   \ifundefined{c@#2}{\nocounterr{#2}}{%
341     \ifundefined{c@#3}{\nocnterr{#3}}{%
342       \@addtoreset{#2}{#3}%
343       \@xp\xdef\csname the#2\endcsname{%
344         \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
345   }
346 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italiccor

```

6 File amstext-xetex-bidi.def

```

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

```

7 File amsthm-xetex-bidi.def

```

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

```

8 File array-xetex-bidi.def

```

354 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for Xe
355 \def\@testpach{\@chclass
356   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
357   \ifnum \@lastchclass=7 5 \else
358   \ifnum \@lastchclass=8 \tw@ \else
359   \ifnum \@lastchclass=9 \thr@@
360   \else \z@
361   \ifnum \@lastchclass = 10 \else
362   \edef\@nextchar{\expandafter\string\@nextchar}%
363   \@chnum
364   \if \@nextchar c\z@ \else
365   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
366   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
367   \z@ \@chclass
368   \if \@nextchar |\@ne \else
369   \if \@nextchar !6 \else
370   \if \@nextchar @7 \else
371   \if \@nextchar <8 \else
372   \if \@nextchar >9 \else
373   10
374   \@chnum
375   \if \@nextchar m\thr@@\else
376   \if \@nextchar p4 \else
377   \if \@nextchar b5 \else

```



```

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

```

9 File article-xetex-bidi.def

```

413 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article c
414 \if@titlepage
415 \renewcommand\maketitle{\begin{titlepage}%
416 \let\footnotesize\small
417 \let\right@footnoterule\relax
418 \let\left@footnoterule\relax
419 \let\textwidth\footnoterule\relax
420 \let \footnote \thanks
421 \let \LTRfootnote \LTRthanks
422 \let \RTLfootnote \RTLthanks
423 \null\vfil
424 \vskip 60\p@

```



```

425 \begin{center}%
426   {\LARGE \@title \par}%
427   \vskip 3em%
428   {\large
429     \lineskip .75em%
430     \begin{tabular}[t]{c}%
431       \@author
432     \end{tabular}\par}%
433   \vskip 1.5em%
434   {\large \@date \par}%           % Set date in \large size.
435 \end{center}\par
436 \@thanks
437 \vfil\null
438 \end{titlepage}%
439 \setcounter{footnote}{0}%
440 \global\let\thanks\relax
441 \global\let\LTRthanks\relax
442 \global\let\RTLthanks\relax
443 \global\let\maketitle\relax
444 \global\let\@thanks\@empty
445 \global\let\@author\@empty
446 \global\let\@date\@empty
447 \global\let\@title\@empty
448 \global\let\title\relax
449 \global\let\author\relax
450 \global\let\date\relax
451 \global\let\and\relax
452 }
453 \else
454 \renewcommand\maketitle{\par
455   \begingroup
456     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
457     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
458     \long\def\@makefntext##1{\parindent 1em\noindent
459       \hb@xt@1.8em{%
460         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
461     \if@twocolumn
462       \ifnum \col@number=\@ne
463         \@maketitle
464       \else
465         \twocolumn[\@maketitle]%
466       \fi
467     \else
468       \newpage
469       \global\@topnum\z@   % Prevents figures from going at top of page.
470       \@maketitle
471     \fi
472     \thispagestyle{plain}\@thanks
473   \endgroup
474   \setcounter{footnote}{0}%

```



```

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

```



```

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

```




```

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

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

722     {\def\@noitemerr
723      {\@latex@warning{Empty `thebibliography' environment}}}%
724     \endlist}
725 \renewcommand*\left@footnoterule{%
726   \kern-3\p@
727   \kern.5\baselineskip
728   \hrule\@width\unitindent
729   \kern.4\baselineskip
730 }
731 \renewcommand*\right@footnoterule{%
732   \kern-3\p@
733   \kern.5\baselineskip
734   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
735   \kern.4\baselineskip}
736 \if@titlepage
737 \renewcommand*\TitleFont{\rmfamily}
738 \renewcommand*\maketitle{%
739   \begin{titlepage}%
740     \let\footnotesize\small
741     \let\right@footnoterule\relax
742     \let\left@footnoterule\relax
743     \let\textwidth@footnoterule\relax
744     \let \footnote \thanks
745     \long\def\@makefntext##1{\parindent\z@
746       \def\labelitemi{\textendash}\@revlabeltrue
747       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
748     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
749     \if@compatibility\setcounter{page}{0}\fi
750     \null\vfil
751     \vskip 60\p@
752     \begin{center}%
753       \TitleFont
754       {\LARGE \def\\{\penalty -\@M}
755         \if@allcaps
756           \expandafter\uc@nothanks\@title\thanks\relax
757         \else
758           \@title
759         \fi\par}%
760     \vskip 3em%
761     {\large
762       \lineskip .75em \parindent\z@
763       \begin{tabular}[t]{c}%
764         \if@allcaps
765           \expandafter\uc@authornothanks\@author\and\relax
766         \else
767           \@author
768         \fi
769       \end{tabular}\par}%
770     \vskip 1.5em%
771     {\large

```



```

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

```



```

822 \fi
823 \thispagestyle{plain}\@thanks
824 \endgroup
825 \setcounter{footnote}{0}%
826 \global\let\thanks\relax
827 \global\let\maketitle\relax
828 \global\let\@maketitle\relax
829 \global\let\@thanks\@empty
830 \global\let\@author\@empty
831 \global\let\@title\@empty
832 \global\let\@date\@empty
833 \global\let\title\relax
834 \global\let\author\relax
835 \global\let\date\relax
836 \global\let\and\relax
837 }
838 \def\@maketitle{%
839 \newpage
840 \null
841 \vskip 2em%
842 \begin{center}%
843 \let \footnote \thanks
844 {\LARGE \TitleFont \@title \par}%
845 \vskip 1.5em%
846 {\large \TitleFont
847 \lineskip .5em%
848 \begin{tabular}[t]{c}%
849 \@author
850 \end{tabular}\par}%
851 \vskip 1em%
852 {\large \TitleFont \@date}%
853 \end{center}%
854 \par
855 \vskip 1.5em}
856 \fi

```

11 File artikel2-xetex-bidi.def

```

857 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class for
858 \renewenvironment{theindex}{%
859 \if@twocolumn
860 \@restonecolfalse
861 \else
862 \@restonecoltrue
863 \fi
864 \columnseprule \z@
865 \columnsep 35\p@
866 \twocolumn[\section*{\indexname}]%
867 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
868 \thispagestyle{plain}\parindent\z@

```



```

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

```



```

919 \everypar{\global\@nbreakfalse\everypar{}}%
920 \fi
921 \endgroup
922 \fi}
923 \else
924 \renewcommand*\l@part{%
925 \ifnum \c@tocdepth >-2\relax
926 \addpenalty\@secpenalty
927 \addvspace{2.25em \@plus \p@}%
928 \@regtocline{0}%
929 \fi}
930 \fi
931 \renewcommand*\head@style{%
932 \interlinepenalty \@M
933 \hyphenpenalty=\@M \exhyphenpenalty=\@M
934 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
935 \if@titlepage
936 \renewenvironment{abstract}{%
937 \titlepage
938 \null\vfil
939 \section*{\SectFont\abstractname}%
940 \noindent\ignorespaces}
941 {\par\vfil\null\endtitlepage}
942 \else
943 \renewenvironment{abstract}{%
944 \if@twocolumn
945 \section*{\abstractname}%
946 \else
947 \section*{\hskip\unitindent\small\SectFont\abstractname}%
948 \list{}{\setlength\listparindent{\unitindent}%
949 \setlength\parindent {\z@}%
950 \setlength\leftmargin {\unitindent}%
951 \setlength\rightmargin {\unitindent}%
952 \setlength\parsep {\z@}}%
953 \item[]%
954 \fi}
955 {\if@twocolumn\else\par\endlist\fi}
956 \fi
957 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
958 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
959 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
960 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
961 \renewcommand*\left@footnoterule{%
962 \kern-3\p@
963 \hrule\@width 3\unitindent
964 \kern 2.6\p@
965 }
966 \renewcommand*\right@footnoterule{%
967 \kern-3\p@
968 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }

```




```

969 \kern 2.6\p@}
970 \renewenvironment{thebibliography}[1]
971     {\section*{\refname}%
972      \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
973      \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
974      \bidi@thebibliography@font@hook%
975      \list{\@biblabel{\@arabic\c@enumiv}}%
976          {\settowidth\labelwidth{\@biblabel{#1}}%
977           \leftmargin\labelwidth
978           \advance\leftmargin\labelsep
979           \@openbib@code
980           \usecounter{enumiv}%
981           \let\p@enumiv\@empty
982           \renewcommand*{theenumiv}{\@arabic\c@enumiv}}%
983      \sloppy\clubpenalty4000\widowpenalty4000%
984      \sfcode`\.\@m}
985  {\def\@noitemerr
986   {\@latex@warning{Empty `thebibliography' environment}}%
987   \endlist}
988 \if@titlepage
989 \renewcommand*{\TitleFont}{\rmfamily}
990 \renewcommand*{\maketitle}{%
991 \begin{titlepage}%
992   \let\footnotesize\small
993   \let\right@footnoterule\relax
994   \let\left@footnoterule\relax
995   \let\textwidth@footnoterule\relax
996   \let \footnote \thanks
997   \long\def\@makefnmark##1{\parindent\z@
998     \def\labelitemi{\textendash}\@revlabeltrue
999     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1000 \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
1001 \if@compatibility\setcounter{page}{0}\fi
1002 \null\vfil
1003 \vskip 60\p@
1004 \begin{center}%
1005   \TitleFont
1006   {\LARGE \def\\{\penalty -\@M}
1007    \if@allcaps
1008      \expandafter\uc@nothanks\@title\thanks\relax
1009    \else
1010      \@title
1011      \fi\par}%
1012   \vskip 3em%
1013   {\large
1014    \lineskip .75em \parindent\z@
1015    \begin{tabular}[t]{c}%
1016      \if@allcaps
1017        \expandafter\uc@authornothanks\@author\and\relax
1018      \else

```



```

1019         \@author
1020         \fi
1021     \end{tabular}\par}%
1022     \vskip 1.5em%
1023     {\large
1024     \if@allcaps
1025         \uppercase\expandafter{\@date}%
1026     \else
1027         \@date
1028     \fi\par}%
1029     \end{center}\par
1030     \@thanks
1031     \vfil\null
1032 \end{titlepage}%
1033 \setcounter{footnote}{0}%
1034 \global\let\thanks\relax
1035 \global\let\maketitle\relax
1036 \global\let\@thanks\@empty
1037 \global\let\@author\@empty
1038 \global\let\@title\@empty
1039 \global\let\@date\@empty
1040 \global\let\title\relax
1041 \global\let\author\relax
1042 \global\let\date\relax
1043 \global\let\and\relax
1044 }
1045 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1046 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1047     \futurelet\@tempa\uc@ax}
1048 \def\uc@ax{%
1049     \ifx\@tempa\relax
1050     \else
1051         \\\ \andname \\\ \expandafter\uc@authornothanks
1052     \fi}
1053 \def\uc@tx{\ifx\@tempa\relax
1054     \else \expandafter\uc@ty \fi}
1055 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1056 \else
1057 \renewcommand*\maketitle{\par
1058     \begin{group}
1059         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1060         \long\def\@makefnmark##1{\parindent\z@
1061             \def\labelitemi{\textendash}%
1062             \leavevmode\hb@xt@.5\unitindent{%
1063                 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1064         \if@twocolumn
1065             \ifnum \col@number=\@ne
1066                 \@maketitle
1067             \else
1068                 \twocolumn[\@maketitle]%

```



```

1069     \fi
1070   \else
1071     \newpage
1072     \global\@topnum\z@
1073     \@maketitle
1074   \fi
1075   \thispagestyle{plain}\@thanks
1076 \endgroup
1077 \setcounter{footnote}{0}%
1078 \global\let\thanks\relax
1079 \global\let\maketitle\relax
1080 \global\let\@maketitle\relax
1081 \global\let\@thanks\@empty
1082 \global\let\@author\@empty
1083 \global\let\@title\@empty
1084 \global\let\@date\@empty
1085 \global\let\title\relax
1086 \global\let\author\relax
1087 \global\let\date\relax
1088 \global\let\and\relax
1089 }
1090 \def\@maketitle{%
1091   \newpage
1092   \null
1093   \vskip 2em%
1094   \begin{center}%
1095     \let \footnote \thanks
1096     {\LARGE \TitleFont \@title \par}%
1097     \vskip 1.5em%
1098     {\large \TitleFont
1099       \lineskip .5em%
1100       \begin{tabular}[t]{c}%
1101         \@author
1102       \end{tabular}\par}%
1103     \vskip 1em%
1104     {\large \TitleFont \@date}%
1105   \end{center}%
1106   \par
1107   \vskip 1.5em}
1108 \fi

```

12 File artikel3-xetex-bidi.def

```

1109 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for
1110 \renewenvironment{theindex}{%
1111   \if@twocolumn
1112     \@restonecolfalse
1113   \else
1114     \@restonecoltrue
1115   \fi

```



```

1116 \columnseprule \z@
1117 \columnsep 35\p@
1118 \twocolumn[\section*{\indexname}]%
1119 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1120 \thispagestyle{plain}\parindent\z@
1121 \parskip\z@ \@plus .3\p@\relax
1122 \let\item\@idxitem
1123 }{%
1124 \if@restonecol\onecolumn\else\clearpage\fi}
1125 \renewcommand*{\head@style}{%
1126 \interlinepenalty \@M
1127 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1128 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1129 \renewcommand*{\@regtocline[3]}{%
1130 \ifnum #1>\c@tocdepth
1131 \else
1132 \vskip\z@ \@plus.2\p@
1133 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
1134 \if@RTL\rightskip\else\leftskip\fi\unitindent
1135 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1136 \parfillskip\z@
1137 \@tempdima\unitindent
1138 \parindent\z@
1139 \leavevmode
1140 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1141 \hskip 1em \nobreak{\slshape #3}\par
1142 }%
1143 \fi}
1144 \if@oldtoc
1145 \renewcommand*{\l@part[2]}{%
1146 \ifnum \c@tocdepth >-2\relax
1147 \addpenalty\@secpenalty
1148 \addvspace{2.25em \@plus\p@}%
1149 \begingroup
1150 \setlength{\@tempdima}{3em}%
1151 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1152 \parfillskip -\@pnumwidth
1153 {\leavevmode
1154 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1155 \nobreak
1156 \if@compatibility
1157 \global\@nobreaktrue
1158 \everypar{\global\@nobreakfalse\everypar{}}%
1159 \fi
1160 \endgroup
1161 \fi}
1162 \else
1163 \renewcommand*{\l@part}{%
1164 \ifnum \c@tocdepth >-2\relax
1165 \addpenalty\@secpenalty

```



```

1166     \addvspace{2.25em \@plus \p@}%
1167     \regtocline{0}%
1168   \fi}
1169 \fi
1170
1171 \if@oldtoc
1172 \renewcommand*\l@section[2]{%
1173   \addpenalty\secpenalty
1174   \addvspace{1.0em \@plus \p@}%
1175   \setlength\tempdima{1.5em}%
1176   \begingroup
1177   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1178   \parfillskip -\@pnumwidth
1179   \leavevmode \bfseries
1180   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1181   \hskip -\if@RTL\rightskip\else\leftskip\fi
1182   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1183   \endgroup}
1184 \else
1185   \renewcommand*\l@section{\@regtocline{1}}
1186 \fi
1187 \if@titlepage
1188   \renewenvironment{abstract}{%
1189     \titlepage
1190     \null\vfil
1191     \section*{\SectFont\abstractname}%
1192     \noindent\ignorespaces}
1193     {\par\vfil\null\endtitlepage}
1194 \else
1195   \renewenvironment{abstract}{%
1196     \if@twocolumn
1197       \section*{\abstractname}%
1198     \else
1199       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1200       \section*{\small\SectFont\abstractname}%
1201       \noindent\ignorespaces
1202     \fi}
1203     {\if@twocolumn\else\par\egroup\fi}
1204 \fi
1205 \renewcommand*\left@footnoterule{%
1206   \kern-3\p@
1207   \kern.5\baselineskip
1208   \hrule\@width\unitindent
1209   \kern.4\baselineskip
1210 }
1211 \renewcommand*\right@footnoterule{%
1212   \kern-3\p@
1213   \kern.5\baselineskip
1214   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1215   \kern.4\baselineskip}

```



```

1216 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1217 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1218 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1219 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1220 \renewenvironment{thebibliography}[1]
1221     {\section*{\refname}%
1222      \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1223      \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1224      \bidi@thebibliography@font@hook%
1225      \list{\@biblabel{\@arabic\c@enumiv}}%
1226          {\settowidth\labelwidth{\@biblabel{#1}}%
1227           \leftmargin\labelwidth
1228           \advance\leftmargin\labelsep
1229           \@openbib@code
1230           \usecounter{enumiv}%
1231           \let\p@enumiv\@empty
1232           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1233      \sloppy\clubpenalty4000\widowpenalty4000%
1234      \sfcode`\.\@m}
1235      {\def\@noitemerr
1236       {\@latex@warning{Empty `thebibliography' environment}}%
1237       \endlist}
1238 \if@titlepage
1239 \renewcommand*\TitleFont{\rmfamily}
1240 \renewcommand*\maketitle{%
1241     \begin{titlepage}%
1242         \let\footnotesize\small
1243         \let\right@footnoterule\relax
1244         \let\left@footnoterule\relax
1245         \let\textwidth@footnoterule\relax
1246         \let\footnote\thanks
1247         \long\def\@makefnmark##1{\parindent\z@
1248             \def\labelitemi{\textendash}\@revlabeltrue
1249             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1250         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1251         \if@compatibility\setcounter{page}{0}\fi
1252         \null\vfil
1253         \vskip 60\p@
1254         \begin{center}%
1255             \TitleFont
1256             {\LARGE \def\\{\penalty -\@M}
1257              \if@allcaps
1258                  \expandafter\uc@nothanks\@title\thanks\relax
1259              \else
1260                  \@title
1261              \fi\par}%
1262             \vskip 3em%
1263             {\large
1264              \lineskip .75em \parindent\z@
1265              \begin{tabular}[t]{c}%

```



```

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

```



```

1316         \@maketitle
1317     \else
1318         \twocolumn[\@maketitle]%
1319     \fi
1320 \else
1321     \newpage
1322     \global\@topnum\z@
1323     \@maketitle
1324 \fi
1325 \thispagestyle{plain}\@thanks
1326 \endgroup
1327 \setcounter{footnote}{0}%
1328 \global\let\thanks\relax
1329 \global\let\maketitle\relax
1330 \global\let\@maketitle\relax
1331 \global\let\@thanks\@empty
1332 \global\let\@author\@empty
1333 \global\let\@title\@empty
1334 \global\let\@date\@empty
1335 \global\let\title\relax
1336 \global\let\author\relax
1337 \global\let\date\relax
1338 \global\let\and\relax
1339 }
1340 \def\@maketitle{%
1341     \newpage
1342     \null
1343     \vskip 2em%
1344     \if@titlecentered
1345         \begin{center}%
1346             \let \footnote \thanks
1347             {\LARGE \TitleFont \@title \par}%
1348             \vskip 1.5em%
1349             {\large \TitleFont
1350              \lineskip .5em%
1351              \begin{tabular}[t]{c}%
1352                  \@author
1353              \end{tabular}\par}%
1354             \vskip 1em%
1355             {\large \TitleFont \@date}%
1356         \end{center}%
1357     \else
1358         {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1359         {\large \TitleFont \lineskip .5em \tabcolsep\z@
1360          \def\and{%% \begin{tabular} has already started
1361           \end{tabular}\hskip 1em plus .17fil
1362           \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
1363           \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1364         \vskip 1em {\large \TitleFont \@date}
1365     \fi

```




```

1366 \par
1367 \vskip 1.5em}
1368 \fi

```

13 File arydshln-xetex-bidi.def

```

1369 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1370 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1371 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1372 \expandafter\let\csname endtabular*\endcsname\endtabular
1373 \let\adl@array\@array
1374 \def\@array{\adl@everyvbox\everyvbox
1375     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1376     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1377     \let\adl@noalign\noalign
1378     \adl@array}
1379 \ifadl@usingarypkg
1380 \def\@testpach{\@chclass
1381 \ifnum \@lastchclass=6 \one \@chnum \one \else
1382 \ifnum \@lastchclass=7 5 \else
1383 \ifnum \@lastchclass=8 \tw@ \else
1384 \ifnum \@lastchclass=9 \thr@@
1385 \else \z@
1386 \ifnum \@lastchclass = 10 \else
1387 \edef\@nextchar{\expandafter\string\@nextchar}%
1388 \@chnum
1389 \if \@nextchar c\z@ \else
1390 \if \@nextchar \if@RTLtab r\else l\fi\one \else
1391 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1392 \z@ \@chclass
1393 \if \@nextchar |\one \let\@arrayrule\adl@arrayrule \else
1394 \if \@nextchar : \one \let\@arrayrule\adl@arraydashrule \else
1395 \if \@nextchar ; \one \let\@arrayrule\adl@argarraydashrule \else
1396 \if \@nextchar !6 \else
1397 \if \@nextchar @7 \else
1398 \if \@nextchar <8 \else
1399 \if \@nextchar >9 \else
1400 10
1401 \@chnum
1402 \if \@nextchar m\thr@@\else
1403 \if \@nextchar p4 \else
1404 \if \@nextchar b5 \else
1405 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1406 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1407
1408 \def\@classz{\@classx
1409 \tempcnta \count@
1410 \prepnext@tok
1411 \@addtopreamble{\ifcase \@chnum
1412 \hfil

```



```

1413 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1414 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1415 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1416 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1417 \adl@endmbox\or
1418 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1419 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1420 \fi}\prepnext@tok}
1421 \def\adl@class@start{4}
1422 \def\adl@class@iiiorvii{7}
1423
1424 \else
1425 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1426 \ifnum \@lastchclass=\thr@@ 5\relax \else
1427 \z@ \if #1c\@chnum \z@ \else
1428 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1429 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1430 \@chclass
1431 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1432 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1433 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1434 \if #1@\tw@ \else
1435 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1436 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1437
1438 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1439 \or \or \@addamp \or
1440 \@acolampacol \or \@firststampfalse \@acol \fi
1441 \edef\@preamble{\@preamble
1442 \ifcase \@chnum
1443 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1444 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1445 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1446 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1447 \or \or \@addamp \or
1448 \@acolampacol \or \@firststampfalse \@acol \fi
1449 \edef\@preamble{\@preamble
1450 \ifcase \@chnum
1451 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1452 \or \adl@putlrc{\@sharp\unskip}\hfil
1453 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1454 \def\adl@class@start{6}
1455 \def\adl@class@iiiorvii{3}
1456 \fi
1457 \ifpackageloaded{colortbl}{%
1458 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1459 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1460 \let\@endpbox\adl@org@endpbox}
1461 \let\adl@CT@setup\CT@setup
1462 \def\CT@setup{\adl@CT@setup

```



```

1463      \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1464      \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1465      \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1466 \let\adl@act@CT@setup\CT@setup
1467 \def\@classz{\@classx
1468     \@tempcnta\count@ \prepnext@tok
1469     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1470     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1471     \expandafter\adl@extract@drsc
1472         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1473     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1474     \@addtopreamble{\if@RTL\beginL\fi%
1475         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1476         \ifcase \@chnum
1477             \hskip\stretch{.5}\kern\z@
1478             \d@llarbegin
1479             \insert@column
1480             \d@llarend\hskip\stretch{.5}%
1481         \or \d@llarbegin \insert@column \d@llarend \hfill
1482         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1483         \or $\vcenter
1484             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1485         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1486         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1487         \fi
1488         \if@RTL\endR\fi\egroup\egroup
1489     \begingroup
1490         \CT@setup
1491         \CT@column@color
1492         \CT@row@color
1493         \CT@cell@color
1494         \CT@do@color
1495     \endgroup
1496     \@tempdima\ht\z@
1497     \advance\@tempdima\minrowclearance
1498     \vrule\@height\@tempdima\@width\z@
1499     \unhbox\z@\if@RTL\endL\fi}%
1500     \prepnext@tok}
1501 \let\adl@act@classz\@classz
1502 \let\adl@org@classz\@classz
1503 }{}

```

14 File bidi.sty

```

1504 \NeedsTeXFormat{LaTeX2e}
1505 \def\bididate{2018/06/15}
1506 \def\bidi@version{33.0}
1507 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
1508 Bidirectional typesetting in plain TeX and LaTeX]
1509 \edef\@bidi@info{*****~J%

```



```

1510 * ^^J%
1511 * bidi package (Bidirectional typesetting in^^J%
1512 * plain TeX and LaTeX, using XeTeX engine)^^J%
1513 * ^^J%
1514 * Description: A convenient interface for^^J%
1515 * typesetting bidirectional texts in plain TeX^^J%
1516 * and LaTeX. The package includes adaptations^^J%
1517 * for use with many other commonly-used packages.^^J%
1518 * ^^J%
1519 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1520 * ^^J%
1521 * v\bidi@version, \bididate^^J%
1522 * ^^J%
1523 * License: LaTeX Project Public License, version^^J%
1524 * 1.3c or higher (your choice)^^J%
1525 * ^^J%
1526 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1527 * ^^J%
1528 * Issue tracker: https://gitlab.com/persian-tex/bidi/issues^^J%
1529 * ^^J%
1530 * Support: persian-tex@tug.org^^J%
1531 * ^^J%
1532 *****}
1533 \typeout{\@bidi@info}
1534 \edef\bidi@everyjob{\the\everyjob}
1535 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1536 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
1537 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1538   \ifdim\bidi@version pt > #1 pt %
1539     \expandafter\@firstoftwo
1540   \else
1541     \expandafter\@secondoftwo
1542   \fi}
1543 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1544   \ifdim\bidi@version pt < #1 pt %
1545     \expandafter\@firstoftwo
1546   \else
1547     \expandafter\@secondoftwo
1548   \fi}
1549 \newcommand*{\IfbidiPackageVersion}[1]{%
1550   \ifdim\bidi@version pt = #1 pt %
1551     \expandafter\@firstoftwo
1552   \else
1553     \expandafter\@secondoftwo
1554   \fi}
1555 \RequirePackage{iftex}
1556 \RequireXeTeX
1557 \RequirePackage{biditools}
1558 \RequirePackage{zref-abspage}
1559 \RequirePackage{auxhook}

```



```

1560 \RequirePackage{ltxcmds}
1561 \RequirePackage{xkeyval}
1562 \eqnewif{\if@RTLmain}{\if@rlmain}
1563 \eqnewif{\if@RTL}{\if@rl}
1564 \newif\if@nonlatin
1565 \newcommand*{\setlatin}{\@nonlatinfalse}
1566 \newcommand*{\setnonlatin}{\@nonlatintrue}
1567 \eqnewif{\if@RTLtab}{\if@tab@rl}
1568 \newif\if@hboxRconstruct
1569 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1570 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1571 \newif\if@bidi@pdfm@mark
1572 \newif\if@RTLmarginpar
1573 \newif\if@LTRmarginpar
1574 \newif\if@LTRbibitems
1575 \newif\if@RTLbibitems
1576 \newif\if@extrafootnotefeatures
1577 \newif\if@parafootRTL
1578 \newif\if@RTLcolumnfootnotes
1579 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1580 \newif\if@bidi@list@minipage@parbox
1581 \newif\if@bidi@list@minipage@parbox@not@nob
1582 \newcommand*{\@bidi@pdfcreator}{%
1583   The bidi package, v\@bidi@version, \@bidi@date
1584 }
1585 \newcommand*{\@bidi@pdfproducer}{%
1586   The bidi package, v\@bidi@version, \@bidi@date
1587 }
1588 \@RTLmainfalse
1589 \AtBeginDocument{%
1590   \if@RTLmain\else
1591     \if@RTL\@RTLmaintrue%
1592     \else\@RTLmainfalse%
1593     \fi%
1594   \fi%
1595 }
1596 \let\n@xt=\
1597 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1598 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1599 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1600 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1601 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1602   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1603 \newinsert\@bidi@copyins@
1604 \skip\@bidi@copyins@=12\p@
1605 \dimen\@bidi@copyins@=40pc
1606 %\count\@bidi@copyins@=1000
1607 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1608 \newcommand*{\@bidi@logo@hb@xt@}{%
1609   \if@RTLmain

```



```

1610 \hboxR to
1611 \else
1612 \hboxL to
1613 \fi
1614 }
1615 \newcommand*{\@bidi@logo}[1]{%
1616 \toks@{%
1617 \setbox\z@\hbox{%
1618 \special{%
1619 pdf:image width 50pt height 50pt (#1)%
1620 }
1621 }%
1622 \dp\z@\z@
1623 \ht\z@=50pt
1624 \wd\z@=50pt
1625 \beginL
1626 \lower20pt\box\z@
1627 \endL
1628 }%
1629 \the\toks@
1630 }
1631 \newcommand*{\@bidi@logo@}{\@bidi@logo@hb@xt\textwidth{\hss\LRE{\bfseries Typeset by the \tex
1632 \input{latex-xetex-bidi.def}
1633 \input{loadingorder-xetex-bidi.def}
1634 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1635 \ifcase\bidi@tempb\relax
1636 \RTLtrue
1637 \or
1638 \RTLfalse
1639 \fi}
1640 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1641 \ifcase\bidi@tempb\relax
1642 \RTLtrue
1643 \or
1644 \RTLfalse
1645 \fi}
1646 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1647 \ifcase\bidi@tempb\relax
1648 \RTLtabtrue
1649 \or
1650 \RTLtabfalse
1651 \fi}
1652 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1653 \ifcase\bidi@tempb\relax
1654 \@nonlatinfalse
1655 \or
1656 \@nonlatintrue
1657 \fi}
1658 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1659 \ifcase\bidi@tempb\relax

```



```

1660 \RTLtrue
1661 \or
1662 \RTLfalse
1663 \fi}
1664 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,t
1665 \ifcase\bidi@tempb\relax
1666 \autofootnoterule
1667 \or
1668 \leftfootnoterule
1669 \or
1670 \rightfootnoterule
1671 \or
1672 \SplitFootnoteRule
1673 \or
1674 \textwidthfootnoterule
1675 \fi}
1676 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefftorigh
1677 \ifcase\bidi@tempb\relax
1678 \RTL@footnotetrue
1679 \or
1680 \RTL@footnotefalse
1681 \fi}
1682 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1683 \ifcase\bidi@tempb\relax
1684 \footdir@debugtrue
1685 \or
1686 \footdir@debugfalse
1687 \fi}
1688 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1689 \ifcase\bidi@tempb\relax
1690 \@extrafootnotefeaturestrue
1691 \or
1692 \@extrafootnotefeaturesfalse
1693 \fi}
1694
1695 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1696 \ifcase\bidi@tempb\relax
1697 \def\bidi@firstcolumn@status@write{%
1698 \protected@write\@auxout{%
1699 {\string\bidi@column@status
1700 {1}}}%
1701 \def\bidi@lastcolumn@status@write{%
1702 \protected@write\@auxout{%
1703 {\string\bidi@column@status{2}}}%
1704 \or
1705 \let\bidi@firstcolumn@status@write\relax
1706 \let\bidi@lastcolumn@status@write\relax
1707 \fi}
1708
1709 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%

```



```

1710 \ifcase\@bidi@tempb\relax
1711   \AtBeginDocument{\@bidi@inslogo@}%
1712 \or
1713   \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
1714 \fi}
1715
1716 \define@choicekey{bidi.sty}{pdfinfo}[\@bidi@tempa\@bidi@tempb]{on,off}[on]{%
1717   \ifcase\@bidi@tempb\relax
1718     \@bidi@pdfm@marktrue
1719   \or
1720     \@bidi@pdfm@markfalse
1721   \fi}
1722
1723 \ExecuteOptionsX{%
1724   DetectColumn=off%
1725 }
1726
1727 \ProcessOptionsX
1728
1729 \if@extrafootnotefeatures
1730   \input{extrafootnotefeatures-xetex-bidi.def}
1731 \fi
1732 \newcount\@bidi@digits
1733 \XeTeXinterchartokenstate=\@ne
1734 \newXeTeXintercharclass\@bidi@digits@charclass
1735 \newXeTeXintercharclass\@bidi@sepmark@charclass
1736 \XeTeXcharclass \\. \@bidi@sepmark@charclass
1737 \XeTeXcharclass \- \@bidi@sepmark@charclass
1738 \@bidi@digits=\0 \loop \XeTeXcharclass \@bidi@digits \@bidi@digits@charclass \ifnum\@bidi@digits<
1739 \@bidi@digits=\ \loop \XeTeXcharclass \@bidi@digits \@bidi@digits@charclass \ifnum\@bidi@digits<
1740 \XeTeXinterchartoks \@bidi@sepmark@charclass \@bidi@digits@charclass = {\DigitsDotDashInterChar
1741 \newcommand*\@DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1742 \AtEndDocument{%
1743   \if@bidi@pdfm@mark
1744     \special{pdf:%
1745       docinfo<<%
1746         /Creator(\@bidi@pdfcreator)%
1747         /Producer(\@bidi@pdfproducer)%
1748       >>%
1749     }%
1750   \fi
1751 }

```

15 File bidi.tex

```

1752 \def\@bidi@date{2018/06/15}
1753 \catcode\@=11
1754 \def\@bidi@version{33.0}
1755 \let \protect \relax
1756 \newlinechar`\^^J

```




```

1757 \edef\@bidi@info{*****^^J%
1758 * ^^J%
1759 * bidi package (Bidirectional typesetting in^^J%
1760 * plain TeX and LaTeX, using XeTeX engine)^^J%
1761 * ^^J%
1762 * Description: A convenient interface for^^J%
1763 * typesetting bidirectional texts in plain TeX^^J%
1764 * and LaTeX. The package includes adaptations^^J%
1765 * for use with many other commonly-used packages.^^J%
1766 * ^^J%
1767 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1768 * ^^J%
1769 * v\bidi@version, \bididate^^J%
1770 * ^^J%
1771 * License: LaTeX Project Public License, version^^J%
1772 * 1.3c or higher (your choice)^^J%
1773 * ^^J%
1774 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1775 * ^^J%
1776 * Issue tracker: https://gitlab.com/persian-tex/bidi/issues^^J%
1777 * ^^J%
1778 * Support: persian-tex@tug.org^^J%
1779 * ^^J%
1780 *****}
1781 \message{\@bidi@info}
1782 \edef\bidi@everyjob{\the\everyjob}
1783 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1784 \def\bidiversion{%
1785   \relax
1786   \ifmmode
1787     \bidi@version
1788   \else
1789     $\bidi@version$
1790   \fi
1791 }
1792 \input iftex.sty
1793 \RequireXeTeX
1794 \newif\if@bidi@pdfm@mark
1795 \newif\if@RTLmain
1796 \newif\if@RTL
1797 \newif\if@hboxRconstruct
1798 \newif\if@sentedir
1799 \newif\if@RTL@footnote
1800 \@RTLmainfalse
1801 \def\setRTLmain{%
1802   \if@RTLmain\else
1803     \if@RTL\@RTLmaintrue%
1804     \else\@RTLmainfalse%
1805     \fi%
1806   \fi%

```



```

1807 }
1808 \let\n@xt=\
1809 \protected\def\LRE{\protect\pLRE}%
1810 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1811 \protected\def\RLE{\protect\pRLE}
1812 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1813 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1814 \errmessage{Missing left brace has been substituted}\fi \bgroup}
1815 \newinsert\@bidi@copyins@
1816 \skip\@bidi@copyins@=12\p@
1817 \dimen\@bidi@copyins@=40pc
1818 \count\@bidi@copyins@=1000
1819 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
1820 \def\@bidi@logo@hb@xt@{%
1821 \if@RTLmain
1822 \hboxR to
1823 \else
1824 \hboxL to
1825 \fi
1826 }
1827 \def\@bidi@logo#1{%
1828 \toks@{%
1829 \setbox\z@\hbox{%
1830 \special{%
1831 pdf:image width 50pt height 50pt (#1)%
1832 }
1833 }%
1834 \dp\z@\z@
1835 \ht\z@=50pt
1836 \wd\z@=50pt
1837 \beginL
1838 \lower20pt\box\z@
1839 \endL
1840 }%
1841 \the\toks@
1842 }
1843 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@
1844 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
1845 \def\@bidi@pdfcreator{%
1846 The bidi package, v\@bidi@version, \bididate
1847 }
1848 \def\@bidi@pdfproducer{%
1849 The bidi package, v\@bidi@version, \bididate
1850 }
1851 \def\@bidi@pdfm@mark{%
1852 \if\@bidi@pdfm@mark
1853 \special{pdf:%
1854 docinfo<<%
1855 /Creator(\@bidi@pdfcreator)%
1856 /Producer(\@bidi@pdfproducer)%

```



```

1857      >>%
1858    }%
1859  \fi
1860 }
1861 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
1862 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
1863 \input plain-xetex-bidi.def
1864 \@bidi@inslogo@
1865 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark\end}
1866 \catcode`\@=12
1867 \bidipdfinfoon

```

16 File bidi2in1.sty

```

1868 \NeedsTeXFormat{LaTeX2e}
1869 \ProvidesPackage{bidi2in1}
1870 \pagestyle{plain}
1871 \newcount\evenpage
1872 \newcount\oddpge
1873 \twocolumn
1874 \def\@oddfont{\evenpage=\thepage%
1875 \multiply\evenpage by 2%
1876 \oddpge=\thevenpage%
1877 \advance\oddpge by -1%
1878 \hfil\thevenpage\hfil\hfil\thoddpge\hfil}%
1879 \def\@evenfont{\evenpage=\thepage%
1880 \multiply\evenpage by 2%
1881 \oddpge=\thevenpage%
1882 \advance\oddpge by -1%
1883 \hfil\thoddpge\hfil\hfil\thevenpage\hfil}%
1884 \textwidth 9.49in
1885 \textheight 6.7in
1886 \columnsep 0.9in
1887 \columnseprule 0.125pt
1888 \headheight 0cm
1889 \topmargin 0in
1890 \marginparwidth 0in
1891 \marginparsep 0in
1892 \hoffset 0.05in % Corrected
1893 \voffset -0.5in %top margin space is 1.0in by default
1894 \oddsidemargin 0in
1895 \evensidemargin 0in
1896 \headsep 0cm
1897 \topskip 0cm
1898 \parskip 0.15in %
1899 \headsep 0pt
1900 \special{papersize=11.69in,8.26in}
1901 \renewcommand\maketitle{\par
1902 \begingroup
1903 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%

```



```

1904 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1905 \long\def\@makefntext##1{\parindent 1em\noindent
1906 \hb@xt@1.8em{%
1907 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1908 \@maketitle
1909 \@thanks
1910 \endgroup
1911 \setcounter{footnote}{0}%
1912 \global\let\thanks\relax
1913 \global\let\maketitle\relax
1914 \global\let\@maketitle\relax
1915 \global\let\@thanks\@empty
1916 \global\let\@author\@empty
1917 \global\let\@date\@empty
1918 \global\let\@title\@empty
1919 \global\let\title\relax
1920 \global\let\author\relax
1921 \global\let\date\relax
1922 \global\let\and\relax
1923 }

```

17 File bidicode.sty

```

1924 \NeedsTeXFormat{LaTeX2e}
1925 \ProvidesPackage{bidicode}
1926 \RequirePackage{xcolor}
1927 \RequirePackage{showexpl}
1928 \definecolor{hellgelb}{rgb}{1,1,0.85}
1929 \definecolor{colKeys}{rgb}{0,0,1}
1930 \definecolor{colIdentifier}{rgb}{0,0,0}
1931 \definecolor{colComments}{rgb}{1,0,0}
1932 \definecolor{colString}{rgb}{0,0.5,0}
1933 \lstset{
1934   language=[LaTeX]TEX,
1935   float=hb,
1936   basicstyle=\ttfamily\small,
1937   identifierstyle=\color{colIdentifier},
1938   keywordstyle=\color{colKeys},
1939   stringstyle=\color{colString},
1940   commentstyle=\color{colComments},
1941   backgroundcolor=\color{hellgelb},
1942   columns=flexible,
1943   tabsize=4,
1944   extendedchars=true,
1945   showspaces=false,
1946   showstringspaces=false,
1947   numbers=left,
1948   numbersep=0.9em,
1949   numberstyle=\tiny, %
1950   frame=single,

```



```

1951     captionpos=b,
1952     xleftmargin=1em,
1953     breaklines=true,
1954     breakautoindent=false,
1955     breakindent=0pt,
1956     escapeinside=**,
1957     pos=r,
1958     explpreset={%
1959     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1960     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1961 }
1962 \newcommand\HLON{%
1963 \gdef\lst@alloverstyle##1{%
1964 \fboxrule=0pt
1965 \fboxsep=0pt
1966 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1967 }}
1968 \newcommand\HLOFF{%
1969 \xdef\lst@alloverstyle##1{##1}%
1970 }
1971 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
1972 \newcommand\Larga [1]{\angle$\Larg{#1}$\rangle$}
1973 \newcommand\Largb [1]{\lcb\Larg{#1}\rcb}
1974 \newcommand\Largs [1]{\lsb\Larg{#1}\rsb}
1975 \newcommand\Largr [1]{\lrb\Larg{#1}\rrb}
1976 \newcommand\LBEG [1]{\normalfont\ttfamily\bs{ }begin\lcb#1\rcb}}
1977 \newcommand\LEND [1]{\normalfont\ttfamily\bs{ }end\lcb#1\rcb}}
1978
1979 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1980 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
1981 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`}}
1982 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}
1983 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
1984 \DeclareRobustCommand\lrb{\normalfont\ttfamily(}
1985 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}
1986
1987 \def\Lcs#1{\nxLcs{#1}}
1988 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1989 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1990
1991 \def\Coordx#1{$x_{#1}$}
1992 \def\Coordy#1{$y_{#1}$}
1993 \def\Coordz#1{$z_{#1}$}
1994 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1995 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1996 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1997 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
1998 \def\CIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
1999 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2000 \def\coordin{(\Coordx{n},\kern 1pt\Coordy{n})}

```



```

2001 \def\coordi1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2002 \def\coordx1{($x_{#1}$)}
2003 \def\coordy1{($y_{#1}$)}
2004 \def\coordz1{($z_{#1}$)}
2005 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
2006 \def\ciiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
2007
2008 \newsavebox{\boxdef}
2009 \newenvironment{BDef}
2010   {\begin{lrbox}\boxdef
2011     \def\arraystretch{1.0}
2012     \begin{tabular}{@{}l@{}l@{}l@{}}
2013   }
2014   {\end{tabular}\end{lrbox}}
2015
2016   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2017   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2018 }
2019
2020 \newenvironment{BDef*}
2021   {\begin{lrbox}\boxdef
2022     \def\arraystretch{1.0}
2023     \begin{tabular}{@{}l@{}l@{}l@{}}
2024   }
2025   {\end{tabular}\end{lrbox}}
2026   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2027   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2028 }
2029 \newenvironment{BCmd}{
2030   \@beginparpenalty-\@lowpenalty
2031   \topsep\BDefaboveskip
2032   \fbboxsep3pt
2033   \flushleft}
2034   {\@endparpenalty\@M
2035   \topsepadd\BDefbelowskip
2036   \endflushleft}
2037
2038 \newenvironment{BCmd*}{
2039   \@beginparpenalty\@M
2040   \topsep\BDefinlineskip
2041   \fbboxsep3pt
2042   \flushleft}
2043   {\@endparpenalty5000
2044   \endflushleft}
2045
2046 \newskip\BDefaboveskip
2047 \newskip\BDefbelowskip
2048 \newskip\BDefinlineskip
2049 \setlength\BDefaboveskip{10pt plus 4pt}
2050 \setlength\BDefbelowskip{6pt}

```



```

2051 \setlength\BDefinelineskip{6pt}
2052
2053 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2054 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2055 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2056 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

2057 \NeedsTeXFormat{LaTeX2e}
2058 \ProvidesPackage{bidiftnxtra}
2059 \newtoks\bidip@ftn
2060 \let\FN@sfc@footnote\footnote
2061 \let\FN@sfc@LTRfootnote\LTRfootnote
2062 \let\FN@sfc@RTLfootnote\RTLfootnote
2063 \def\footnote{\ifx\protect\@typeset@protect
2064   \expandafter\FN@sfc@footnote
2065   \else
2066     \expandafter\FN@sfc@gobble@opt
2067   \fi
2068 }
2069 \def\LTRfootnote{\ifx\protect\@typeset@protect
2070   \expandafter\FN@sfc@LTRfootnote
2071   \else
2072     \expandafter\FN@sfc@gobble@opt
2073   \fi
2074 }
2075 \def\RTLfootnote{\ifx\protect\@typeset@protect
2076   \expandafter\FN@sfc@RTLfootnote
2077   \else
2078     \expandafter\FN@sfc@gobble@opt
2079   \fi
2080 }
2081 \edef\FN@sfc@gobble@opt{\noexpand\protect
2082   \expandafter\noexpand\csname FN@sfc@gobble@opt \endcsname}
2083 \expandafter\def\csname FN@sfc@gobble@opt \endcsname{%
2084   \@ifnextchar[%]
2085     \FN@sfc@gobble@twobrace
2086     \@gobble
2087 }
2088 \def\FN@sfc@gobble@twobrace[#1]#2{}
2089 \let\FN@sfc@footnotemark\footnotemark
2090 \def\footnotemark{\ifx\protect\@typeset@protect
2091   \expandafter\FN@sfc@footnotemark
2092   \else
2093     \expandafter\FN@sfc@gobble@optonly
2094   \fi
2095 }
2096 \edef\FN@sfc@gobble@optonly{\noexpand\protect
2097   \expandafter\noexpand\csname FN@sfc@gobble@optonly \endcsname}

```



```

2098 \expandafter\def\csname FN@sf@gobble@optionly \endcsname{%
2099   \@ifnextchar[%]
2100     \FN@sf@gobble@bracket
2101     }%
2102 }
2103 \def\FN@sf@gobble@bracket[#1]{%
2104 \def\@tabular{%
2105   \leavevmode \hbox \bgroup
2106   \let\@footnotetext\@bidi@p@fnttext
2107   \let\@LTRfootnotetext\@bidi@p@LTRfnttext
2108   \let\@RTLfootnotetext\@bidi@p@RTLfnttext
2109   \let\@xfootnotenext\@bidi@p@xftntext
2110   \let\@xfootnote\@bidi@p@xfootnote
2111   \let\@xLTRfootnotenext\@bidi@p@xLTRfnttext
2112   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2113   \let\@xRTLfootnotenext\@bidi@p@xRTLfnttext
2114   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2115   \if@RTLtab\beginR \fi
2116   $\let\@acol\@tabacol
2117   \let\@classz\@tabclassz
2118   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2119 \def\endtabular{\@crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2120   \egroup $\if@RTLtab\endR\fi\egroup
2121   \ifx\@captive\@undefined
2122     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi
2123 \long\def\@bidi@p@fnttext#1{%
2124   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2125   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2126 \long\def\@bidi@p@LTRfnttext#1{%
2127   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2128   \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2129 \long\def\@bidi@p@RTLfnttext#1{%
2130   \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2131   \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2132
2133
2134 \long\def\@bidi@p@xftntext[#1]#2{%
2135   \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
2136
2137 \long\def\@bidi@p@xLTRfnttext[#1]#2{%
2138   \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
2139
2140 \long\def\@bidi@p@xRTLfnttext[#1]#2{%
2141   \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
2142
2143
2144 \def\@bidi@p@xfootnote[#1]{%
2145   \begingroup
2146     \csname c@\@mpfn\endcsname #1\relax
2147     \unrestored@protected@xdef\@thefnmark{\thempfn}%

```




```

2148 \endgroup
2149 \@footnotemark\@bidi@p@xftntext[#1]}
2150
2151
2152 \def\@bidi@p@xLTRfootnote[#1]{%
2153 \begingroup
2154 \csname c@\@mpfn\endcsname #1\relax
2155 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2156 \endgroup
2157 \@footnotemark\@bidi@p@xLTRftntext[#1]}
2158
2159
2160 \def\@bidi@p@xRTLfootnote[#1]{%
2161 \begingroup
2162 \csname c@\@mpfn\endcsname #1\relax
2163 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2164 \endgroup
2165 \@footnotemark\@bidi@p@xRTLftntext[#1]}
2166
2167 \def\@xfloat #1[#2]{%
2168 \@nodocument
2169 \def \@capttype {#1}%
2170 \def \@fps {#2}%
2171 \@onelevel@sanitize \@fps
2172 \def \@reserved@b {!}%
2173 \ifx \@reserved@b \@fps
2174 \@fpsadddefault
2175 \else
2176 \ifx \@fps \@empty
2177 \@fpsadddefault
2178 \fi
2179 \fi
2180 \ifhmode
2181 \@bsphack
2182 \@floatpenalty -\@Mii
2183 \else
2184 \@floatpenalty-\@Miii
2185 \fi
2186 \ifinner
2187 \@parmoderr\@floatpenalty\z@
2188 \else
2189 \@next\@currbox\@freelist
2190 {%
2191 \@tempcnta \sixt@cn
2192 \expandafter \@tfor \expandafter \@reserved@a
2193 \expandafter :\expandafter =\@fps
2194 \do
2195 {%
2196 \if \@reserved@a h%
2197 \ifodd \@tempcnta

```



```

2198         \else
2199             \advance \@tempcnta \@ne
2200         \fi
2201     \fi
2202     \if \reserved@a t%
2203         \@setfpsbit \tw@
2204     \fi
2205     \if \reserved@a b%
2206         \@setfpsbit 4%
2207     \fi
2208     \if \reserved@a p%
2209         \@setfpsbit 8%
2210     \fi
2211     \if \reserved@a !%
2212         \ifnum \@tempcnta>15
2213             \advance\@tempcnta -\sixt@@n\relax
2214         \fi
2215     \fi
2216     }%
2217     \@tempcntb \csname ftype@\@capttype \endcsname
2218     \multiply \@tempcntb \@xxxii
2219     \advance \@tempcnta \@tempcntb
2220     \global \count\@currbox \@tempcnta
2221     }%
2222     \@fltovf
2223 \fi
2224 \global \setbox\@currbox
2225     \color@vbox
2226     \normalcolor
2227     \vbox \bgroup
2228     \let\@footnotetext\@bidi@p@ftntext
2229     \let\@LTRfootnotetext\@bidi@p@LTRftntext
2230     \let\@RTLfootnotetext\@bidi@p@RTLftntext
2231     \let\@xfootnotenext\@bidi@p@xftntext
2232     \let\@xfootnote\@bidi@p@xfootnote
2233     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2234     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2235     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2236     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2237     \hsize\columnwidth
2238     \@parboxrestore
2239     \@floatboxreset
2240 }
2241 \def \@endfloatbox{%
2242     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2243     \@minipagefalse
2244     \outer@nobreak
2245     \egroup                %% end of vbox
2246     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2247     \color@endbox

```



2248 }

19 File `bidimoderncv.cls`

```
2249 \NeedsTeXFormat{LaTeX2e}
2250 \ProvidesClass{bidimoderncv}
2251 \newif\if@DEBUG\@DEBUGfalse
2252 \DeclareOption{a4paper}{
2253   \setlength\paperheight{297mm}
2254   \setlength\paperwidth{210mm}}
2255 \DeclareOption{a5paper}{
2256   \setlength\paperheight{210mm}
2257   \setlength\paperwidth{148mm}}
2258 \DeclareOption{b5paper}{
2259   \setlength\paperheight{250mm}
2260   \setlength\paperwidth{176mm}}
2261 \DeclareOption{letterpaper}{
2262   \setlength\paperheight{11in}
2263   \setlength\paperwidth{8.5in}}
2264 \DeclareOption{legalpaper}{
2265   \setlength\paperheight{14in}
2266   \setlength\paperwidth{8.5in}}
2267 \DeclareOption{executivepaper}{
2268   \setlength\paperheight{10.5in}
2269   \setlength\paperwidth{7.25in}}
2270 \DeclareOption{landscape}{
2271   \setlength\@tempdima{\paperheight}
2272   \setlength\paperheight{\paperwidth}
2273   \setlength\paperwidth{\@tempdima}}
2274 \newcommand\@ptsize{}
2275 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2276 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2277 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2278 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2279 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2280 \newif\if@colour\@colourtrue
2281 \DeclareOption{nocolour}{\@colourfalse}
2282 \ExecuteOptions{a4paper,11pt,colour,final}
2283 \ProcessOptions\relax
2284 \input{size1\@ptsize.clo}
2285 \RequirePackage{color}
2286 \RequirePackage{graphicx}
2287 \RequirePackage{ifthen}
2288 \RequirePackage{marvosym}
2289 \addtolength{\oddsidemargin}{-54pt}
2290 \addtolength{\textwidth}{109pt}
2291 \addtolength{\topmargin}{-70pt}
2292 \addtolength{\textheight}{122pt}
2293 \addtolength{\marginparsep}{-5pt}
2294 \addtolength{\marginparwidth}{-10pt}
```



```

2295 \RequirePackage{url}
2296 \RequirePackage{hyperref}
2297 \hypersetup{%
2298   breaklinks,
2299   baseurl      = http://,%
2300   pdfborder    = 0 0 0,%
2301   pdfpagemode  = UseNone,%
2302   pdfstartpage = 1}
2303 \AtEndOfClass{%
2304   \AtBeginDocument{%
2305     \hypersetup{%
2306       pdfauthor      = \@firstname~\@familyname,%
2307       pdftitle       = \@title,%
2308       pdfsubject     = \@firstname~\@familyname,%
2309       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2310 \urlstyle{tt}
2311 \RequirePackage{fancyhdr}
2312 \fancypagestyle{plain}{%
2313   \renewcommand{\headrulewidth}{0pt}
2314   \renewcommand{\footrulewidth}{0pt}
2315   \fancyhf{}}
2316 \pagestyle{plain}
2317 \setlength\lineskip{1\p@}
2318 \setlength\normallineskip{1\p@}
2319 \renewcommand\baselinestretch{}
2320 \setlength{\parindent}{0pt}
2321 \setlength{\parskip}{0pt}
2322 \setlength\columnsep{10\p@}
2323 \setlength\columnseprule{0\p@}
2324 \pagestyle{empty}
2325 \pagenumbering{arabic}
2326 \raggedbottom
2327 \onecolumn
2328 \providecommand*\listitemsymbol{\textbullet}
2329 \providecommand*\addresssymbol{}
2330 \providecommand*\mobilesymbol{\Mobilefone}
2331 \providecommand*\phonesymbol{\Telefon}
2332 \providecommand*\faxsymbol{\FAX}
2333 \providecommand*\emailsymbol{\Letter}
2334 \definecolor{firstnamecolor}{rgb}{0,0,0}
2335 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2336 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2337 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2338 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2339 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2340 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2341 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2342 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2343 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2344 \providecommand*\firstnamefont{}

```



```

2345 \providecommand*\familynamefont{}
2346 \providecommand*\titlefont{}
2347 \providecommand*\addressfont{}
2348 \providecommand*\quote font{}
2349 \providecommand*\sectionfont{}
2350 \providecommand*\subsectionfont{}
2351 \providecommand*\hintfont{}\small
2352 \providecommand*\firstnamestyle}[1]{\familynamefont\@firstnamecolour#1}}
2353 \providecommand*\familynamestyle}[1]{\familynamefont\@familynamecolour#1}}
2354 \providecommand*\titlestyle}[1]{\titlefont\@titlecolour#1}}
2355 \providecommand*\addresstyle}[1]{\addressfont\@addresscolour#1}}
2356 \providecommand*\quotestyle}[1]{\quote font\@quote colour#1}}
2357 \providecommand*\sectionstyle}[1]{\sectionfont\@sectiontitlecolour#1}}
2358 \providecommand*\subsectionstyle}[1]{\subsectionfont\@subsectioncolour#1}}
2359 \providecommand*\hintstyle}[1]{\hintfont\@hintcolour#1}}
2360 \newcommand*\cvtheme}[2] [] {
2361   \def\@cvtheme{#2}
2362   \def\@cvthemeoptions{#1}}
2363 \cvtheme{bidi-casual}
2364 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\cvtheme}}
2365 \newcommand*\resumename}[1]{\def\@resumename{#1}}
2366 \newcommand*\firstname}[1]{\def\@firstname{#1}}
2367 \newcommand*\familyname}[1]{\def\@familyname{#1}}
2368 \renewcommand*\title}[1]{\def\@title{#1}}
2369 \newcommand*\address}[1]{\def\@address{#1}}
2370 \newcommand*\mobile}[1]{\def\@mobile{#1}}
2371 \newcommand*\phone}[1]{\def\@phone{#1}}
2372 \renewcommand*\fax}[1]{\def\@fax{#1}}
2373 \newcommand*\email}[1]{\def\@email{#1}}
2374 \newcommand*\extrainfo}[1]{\def\@extrainfo{#1}}
2375 \def\@photowidth{0pt}
2376 \newcommand*\photo}[2] [64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2377 \newcommand*\quote}[1]{\def\@quote{#1}}
2378 \newlength{\quotewidth}
2379 \newlength{\hintscolumnwidth}
2380 \newlength{\separatorcolumnwidth}
2381 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2382 \newlength{\maincolumnwidth}
2383 \newlength{\doubleitemmaincolumnwidth}
2384 \newlength{\listitemsymbolwidth}
2385 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
2386 \newlength{\listitemmaincolumnwidth}
2387 \newlength{\listdoubleitemmaincolumnwidth}
2388 \newcommand*\recomputethemelengths{}
2389 \newcommand*\recomputelengths{%
2390 \setlength{\quotewidth}{0.65\textwidth}%
2391 \setlength{\maincolumnwidth}{\textwidth}%
2392 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2393 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2394 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%

```



```

2395 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2396 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2397 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2398 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2399 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2400 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2401 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2402 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2403 \renewcommand{\headwidth}{\textwidth}%
2404 \recomputethemelengths}
2405 \setlength{\hintscolumnwidth}{0.15\textwidth}
2406 \recomputelengths
2407 \title{}
2408 \renewcommand*{\maketitle}{}
2409 \newcommand*{\section}[1]{%
2410 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2411 \phantomsection}%
2412 \addcontentsline{toc}{part}{#1}%
2413 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\textcolor{sectionrectanglecolor}{#1}}}%
2414 \hspace{\separatorcolumnwidth}%
2415 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@{1ex}}
2416 \newcommand*{\subsection}[1]{%
2417 \cvline[0.45em]{\subsectionstyle{#1}}}
2418 \newcommand*{\cvline}[3][.25em]{%
2419 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}}
2420 \bidi@raggedleft\hintfont{#2} &{#3}%
2421 \end{tabular}}\@{#1}}
2422 \newcommand*{\cvdoubleitem}[4]{%
2423 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2424 \hfill%
2425 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2426 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2427 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}
2428 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2429 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2430 \hfill%
2431 \ifthenelse{\equal{#3}{}}{
2432 }{
2433 #1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}
2434 \newcommand*{\cventry}[6]{%
2435 \cvline{#1}{%
2436 {\bfseries#2}%
2437 \ifx#3\else{, {\slshape#3}}\fi%
2438 \ifx#4\else{, #4}\fi%
2439 \ifx#5\else{, #5}\fi%
2440 .%
2441 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2442 }%
2443 \newcommand*{\cvlanguage}[3]{%
2444 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\textbf{#3}\end{minipage}}}

```



```

2445 \newcommand*{\cvcomputer}[4]{%
2446   \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2447 \newcommand*{\link}[2][{}]{%
2448   \ifthenelse{\equal{#1}{}}{%
2449     {\href{#2}{#2}}%
2450     {\href{#2}{#1}}}
2451 \newcommand*{\httplink}[2][{}]{%
2452   \ifthenelse{\equal{#1}{}}{%
2453     {\href{http://#2}{#2}}%
2454     {\href{http://#2}{#1}}}
2455 \newcommand*{\emailink}[2][{}]{%
2456   \ifthenelse{\equal{#1}{}}{%
2457     {\href{mailto:#2}{#2}}%
2458     {\href{mailto:#2}{#1}}}
2459 \newif\if@displaypagenumbers\@displaypagenumberstrue
2460 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2461 \AtBeginDocument{%
2462   \if@displaypagenumbers%
2463     \@ifundefined{r@lastpage}{}{%
2464       \ifthenelse{\pageref{lastpage} > 1}{%
2465         \fancypagestyle{plain}{%
2466           \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL\endL\pageno}
2467         \pagestyle{plain}}{}%
2468       \AtEndDocument{\label{lastpage}}%
2469     \fi}
2470 \newlength{\bibindent}
2471 \setlength{\bibindent}{1.5em}
2472 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2473 \newenvironment{thebibliography}[1]{%
2474   {%
2475     \section{\refname}%
2476     \small%
2477     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2478     \bidi@thebibliography@font@hook%
2479     \begin{list}{\bibliographyitemlabel}%
2480       {%
2481         \setlength{\topsep}{0pt}%
2482         \setlength{\labelwidth}{\hintscolumnwidth}%
2483         \setlength{\labelsep}{\separatorcolumnwidth}%
2484         \leftmargin\labelwidth%
2485         \advance\leftmargin\labelsep%
2486         \@openbib@code%
2487         \usecounter{enumiv}%
2488         \let\p@enumiv\@empty%
2489         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2490       \sloppy\clubpenalty4000\widowpenalty4000%
2491     }%
2492   {%
2493     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2494     \end{list}%

```



```

2495 }
2496 \newcommand\newblock{\hspace .11em\@plus.33em\@minus.07em}
2497 \let\@openbib@code\@empty

```

20 File biditools.sty

```

2498 \NeedsTeXFormat{LaTeX2e}
2499 \ProvidesPackage{biditools}[2018/02/22 v1.4 Programming tools for bidi package]
2500 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2501   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2502   \ifx\@tempa\@tempb \global\let#2#1%
2503   \else
2504     \edef\@tempb{\meaning#2}%
2505     \ifx\@tempa\@tempb
2506       \else
2507         \@latex@error{Unable to properly define \string#2; primitive
2508           \noexpand#1no longer primitive}\@eha
2509       \fi
2510     \fi
2511   \endgroup}
2512 \newtoks\@bidi@envbody
2513 \newtoks\@bidi@emptytoks
2514 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2515 \def\bidi@collect@body#1{%
2516   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2517 \def\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2518 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2519 \begingroup
2520 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
2521 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2522 \bidi@process@envbody
2523 }
2524 \def\bidi@push@begins#1\begin#2{%
2525   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2526 }
2527 \def\bidi@collect@@body#1\end#2{%
2528   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2529   \ifx\@empty\begin@bidi@stack
2530     \endgroup
2531     \@checkend{#2}%
2532     \bidi@addto@envbody{#1}%
2533   \else
2534     \bidi@addto@envbody{#1\end{#2}}}%
2535   \fi
2536   \bidi@process@envbody % A little tricky! Note the grouping
2537 }
2538 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2539 \long\def\bidi@collect@long@body#1{%
2540   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2541 \def\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%

```




```

2542 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2543 \begingroup
2544 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2545 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2546 \bidi@process@envbody
2547 }
2548 \long\def\bidi@push@long@begins#1\begin#2{%
2549 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2550 }
2551 \long\def\bidi@collect@long@@body#1\end#2{%
2552 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
2553 \ifx\@empty\begin@bidi@stack
2554 \endgroup
2555 \@checkend{#2}%
2556 \bidi@addto@long@envbody{#1}%
2557 \else
2558 \bidi@addto@long@envbody{#1\end{#2}}%
2559 \fi
2560 \bidi@process@envbody % A little tricky! Note the grouping
2561 }
2562 \long\def\bidi@new@ifnextchar#1#2#3{%
2563 \let\reserved@d= #1%
2564 \def\reserved@a{#2}\def\reserved@b{#3}%
2565 \futurelet\@let@token\bidi@new@ifnch
2566 }
2567 \def\bidi@new@ifnch{%
2568 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2569 \reserved@b
2570 }
2571 \def\bidi@matrix@check#1{%
2572 \expandafter\ifx\csname\@currenvir\endcsname#1%
2573 \else\bidi@matrix@error#1%
2574 \expandafter\@gobble
2575 \fi
2576 }
2577 \def\bidi@matrix@error#1{%
2578 \PackageError{biditools}{%
2579 Old form ``\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2580 }{%
2581 ``\string#1{...}' is old bidi package syntax whose use is
2582 ill-advised in the old versions of bidi package.%
2583 }%
2584 }
2585 \def\@tagsextension{clo}
2586 \def\@definitionfileextension{def}
2587 \def\@texfileextension{tex}
2588 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2589 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2590 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2591 \def\eqnewif#1#2{%

```



```

2592 \count@\escapechar \escapechar\m@ne
2593 \let#1\iffalse
2594 \let#2\iffalse
2595 \eq@if#1#2\iftrue
2596 \eq@if#1#2\iffalse
2597 \escapechar\count@}
2598 \def\eq@if#1#2#3{%
2599 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2600 \expandafter\@gobbletwo\string#3\endcsname
2601 {\let#1#3%
2602 \let#2#3}%
2603 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2604 \expandafter\@gobbletwo\string#3\endcsname
2605 {\let#2#3%
2606 \let#1#3}}
2607 \newcommand*\SetBoolean}[2]{%
2608 \lowercase{\def\@tempa{#2}}%
2609 \@ifundefined{@tempwa\@tempa}%
2610 {\PackageError{biditools}%
2611 {You can only set a boolean to `true' or `false'}\@ehc}%
2612 {\@ifundefined{#1\@tempa}%
2613 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2614 {\csname#1\@tempa\endcsname}}}
2615 \newcommand*\GlobalSetBoolean}[2]{%
2616 \lowercase{\def\@tempa{#2}}%
2617 \@ifundefined{@tempwa\@tempa}%
2618 {\PackageError{biditools}%
2619 {You can only set a boolean to `true' or `false'}\@ehc}%
2620 {\@ifundefined{#1\@tempa}%
2621 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2622 {\global\csname#1\@tempa\endcsname}}}
2623 \newcommand*\SetatBoolean}[2]{%
2624 \lowercase{\def\@tempa{#2}}%
2625 \@ifundefined{@tempwa\@tempa}%
2626 {\PackageError{biditools}%
2627 {You can only set a boolean to `true' or `false'}\@ehc}%
2628 {\@ifundefined{@#1\@tempa}%
2629 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2630 {\csname @#1\@tempa\endcsname}}}
2631 \newcommand*\GlobalSetatBoolean}[2]{%
2632 \lowercase{\def\@tempa{#2}}%
2633 \@ifundefined{@tempwa\@tempa}%
2634 {\PackageError{biditools}%
2635 {You can only set a boolean to `true' or `false'}\@ehc}%
2636 {\@ifundefined{@#1\@tempa}%
2637 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2638 {\global\csname @#1\@tempa\endcsname}}}
2639 \def\@bidi@removefromreset#1#2{%
2640 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2641 \def\@elt##1{%

```



```

2642 \expandafter\ifx\csname c@#1\endcsname\@bidi@removefromreset
2643 \else
2644 \noexpand\@elt{##1}%
2645 \fi}%
2646 \expandafter\xdef\csname cl@#2\endcsname{%
2647 \csname cl@#2\endcsname}}
2648 \newcommand*{\ifRtoL}{%
2649 \if@RTL
2650 \expandafter\@firstoftwo
2651 \else
2652 \expandafter\@secondoftwo
2653 \fi}
2654 \newcommand*{\ifLtoR}{%
2655 \if@RTL
2656 \expandafter\@secondoftwo
2657 \else
2658 \expandafter\@firstoftwo
2659 \fi}
2660 \newcommand*{\ifRtoLtable}{%
2661 \if@RTLtab
2662 \expandafter\@firstoftwo
2663 \else
2664 \expandafter\@secondoftwo
2665 \fi}
2666 \newcommand*{\ifLtoRtable}{%
2667 \if@RTLtab
2668 \expandafter\@secondoftwo
2669 \else
2670 \expandafter\@firstoftwo
2671 \fi}
2672 \newcommand*{\ifRtoLhboxconstruct}{%
2673 \if@hboxRconstruct
2674 \expandafter\@firstoftwo
2675 \else
2676 \expandafter\@secondoftwo
2677 \fi}
2678 \newcommand*{\ifLtoRhboxconstruct}{%
2679 \if@hboxRconstruct
2680 \expandafter\@secondoftwo
2681 \else
2682 \expandafter\@firstoftwo
2683 \fi}
2684 \newcommand*{\iflatin}{%
2685 \if@nonlatin
2686 \expandafter\@secondoftwo
2687 \else
2688 \expandafter\@firstoftwo
2689 \fi}
2690 \newcommand*{\ifnonlatin}{%
2691 \if@nonlatin

```



```

2692 \expandafter\@firstoftwo
2693 \else
2694 \expandafter\@secondoftwo
2695 \fi}
2696
2697 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
2698 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2699
2700 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
2701 \dimexpr #1*65536/\dimexpr 1pt\relax}
2702
2703 \newcommand*{\if@bidi@csdef}[1]{%
2704 \ifcsname#1\endcsname
2705 \expandafter\@firstoftwo
2706 \else
2707 \expandafter\@secondoftwo
2708 \fi}
2709 \newcommand*{\if@bidi@csundef}[1]{%
2710 \ifcsname#1\endcsname
2711 \expandafter\ifx\csname#1\endcsname\relax
2712 \expandafter\expandafter
2713 \expandafter\@firstoftwo
2714 \else
2715 \expandafter\expandafter
2716 \expandafter\@secondoftwo
2717 \fi
2718 \else
2719 \expandafter\@firstoftwo
2720 \fi}
2721 \newcommand{\if@bidi@def}[1]{%
2722 \ifdefined#1%
2723 \expandafter\@firstoftwo
2724 \else
2725 \expandafter\@secondoftwo
2726 \fi}
2727 \newcommand{\if@bidi@undef}[1]{%
2728 \ifdefined#1%
2729 \ifx#1\relax
2730 \expandafter\expandafter
2731 \expandafter\@firstoftwo
2732 \else
2733 \expandafter\expandafter
2734 \expandafter\@secondoftwo
2735 \fi
2736 \else
2737 \expandafter\@firstoftwo
2738 \fi}
2739 \newcommand{\if@bidi@blank}[1]{% from url.sty
2740 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2741 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}

```



```

2742 \newcommand{\bidi@notblank}[1]{%
2743   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2744 \newcommand{\if@bidi@defmacro}{%
2745   \long\edef\if@bidi@defmacro#1{%
2746     \noexpand\expandafter\noexpand\bidi@ifdefmacro
2747     \noexpand\meaning#1\detokenize{macro}:&}
2748 \edef\bidi@ifdefmacro{%
2749   \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2750 \bidi@ifdefmacro{\bidi@notblank{#2}}
2751 \newcommand*{\if@bidi@csmacro}[1]{%
2752   \if@bidi@csdef{#1}
2753     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2754     {\@secondoftwo}}
2755 \newcommand{\if@bidi@defprimitive}[1]{%
2756   \ifprimitive#1%
2757     \expandafter\@firstoftwo
2758   \else
2759     \expandafter\@secondoftwo
2760   \fi}
2761 \newcommand{\if@bidi@csprimitive}[1]{%
2762   \begingroup\expandafter\expandafter\expandafter\endgroup%
2763   \expandafter\ifprimitive\csname#1\endcsname%
2764   \expandafter\@firstoftwo
2765   \else
2766     \expandafter\@secondoftwo
2767   \fi}
2768 \newcommand*{\bidi@csdefcs}[2]{%
2769   \expandafter\@ifdefinable \csname#1\endcsname{%
2770     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2771 \newcommand*{\bidi@csletcs}[2]{%
2772   \expandafter\@ifdefinable \csname#1\endcsname{%
2773     \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2774 \newcommand*{\bidi@cslet}[2]{%
2775   \expandafter\@ifdefinable \csname#1\endcsname{%
2776     \expandafter\let\csname#1\endcsname#2}}
2777 \newcommand{\bidi@namelongdef}[1]{%
2778   \long\expandafter\def\csname #1\endcsname}
2779 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2780 \def\bidi@ensure@new@command#1{%
2781   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2782   \expandafter\if@bidi@csundef\@gtempa
2783     {\new@command#1}{\relax%
2784     \let\@ifdefinable\@rc@ifdefinable%
2785     \new@command#1}}
2786 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2787
2788 \protected\def\bidi@error{\PackageError{bidi}}
2789 \protected\def\bidi@warning{\PackageWarning{bidi}}
2790 \protected\def\bidi@info{\PackageInfo{bidi}}
2791

```



```

2792
2793 \newcommand*{\setbaselineskip}[1]{%
2794     \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
2795     \selectfont
2796 }
2797
2798
2799 \newcommand*{\bidi@newrobustcmd}{%
2800 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2801
2802 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2803
2804 \def\bidi@newcommand#1[#2]{%
2805     \@ifnextchar[%
2806         {\bidi@xargdef#1[#2]}
2807         {\ifx\l@ngrel@x\relax
2808             \let\l@ngrel@x\protected
2809             \else
2810             \protected\def\l@ngrel@x{\protected\long}%
2811             \fi
2812             \@argdef#1[#2]}}
2813
2814 \long\def\bidi@xargdef#1[#2][#3]#4{%
2815     \@ifdefinable#1{%
2816         \expandafter\protected
2817         \expandafter\def
2818         \expandafter#1%
2819         \expandafter{%
2820             \expandafter\@testopt
2821             \csname\string#1\endcsname{#3}}}%
2822     \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}{#4}}
2823
2824 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2825
2826 \def\bidi@renew@command#1{%
2827     \if@bidi@undef{#1}
2828         {\bidi@error{\string#1 undefined}\@ehc}
2829         {}%
2830     \let\@ifdefinable\@rc@ifdefinable
2831     \bidi@new@command#1}
2832
2833
2834
2835 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2836
2837 \def\bidi@provide@command#1{%
2838     \if@bidi@undef{#1}
2839         {\def\reserved@a{\bidi@new@command#1}}
2840         {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2841     \reserved@a}

```



```

2842
2843 \newcommand*{\bidi@csuse}[1]{%
2844   \ifcsname#1\endcsname
2845     \csname#1\expandafter\endcsname
2846   \fi}
2847
2848 \newcommand{\bidi@expandonce}[1]{%
2849   \unexpanded\expandafter{#1}}
2850
2851 \def\bidi@protected{%
2852   \let\@protect\protect
2853   \let\protect\@unexpandable@protect
2854   \afterassignment\restore@protect}
2855
2856 \bidi@newrobustcmd{\bidi@appto}[2]{%
2857   \if@bidi@undef{#1}
2858     {\edef#1{\unexpanded{#2}}}
2859     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2860 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2861   \if@bidi@undef{#1}
2862     {\edef#1{#2}}
2863     {\edef#1{\bidi@expandonce#1#2}}}
2864 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2865   \if@bidi@undef{#1}
2866     {\xdef#1{\unexpanded{#2}}}
2867     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2868 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2869   \if@bidi@undef{#1}
2870     {\xdef#1{#2}}
2871     {\xdef#1{\bidi@expandonce#1#2}}}
2872
2873 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2874 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2875
2876
2877
2878 \bidi@newrobustcmd{\bidi@preto}[2]{%
2879   \if@bidi@undef{#1}
2880     {\edef#1{\unexpanded{#2}}}
2881     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2882 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2883   \if@bidi@undef{#1}
2884     {\edef#1{#2}}
2885     {\edef#1{#2\bidi@expandonce#1}}}
2886 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2887   \if@bidi@undef{#1}
2888     {\xdef#1{\unexpanded{#2}}}
2889     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2890 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2891   \if@bidi@undef{#1}

```



```

2892 {\xdef#1{#2}}
2893 {\xdef#1{#2\bid@expandonce#1}}
2894
2895 \bid@newrobustcmd*{\bid@protected@epreto}{\bid@protected\bid@epreto}
2896 \bid@newrobustcmd*{\bid@protected@xpreto}{\bid@protected\bid@xpreto}
2897
2898
2899
2900 \bid@newrobustcmd*{\bid@csappto}[1]{\expandafter\bid@appto\csname#1\endcsname}
2901 \bid@newrobustcmd*{\bid@cseappto}[1]{\expandafter\bid@eappto\csname#1\endcsname}
2902 \bid@newrobustcmd*{\bid@csgappto}[1]{\expandafter\bid@gappto\csname#1\endcsname}
2903 \bid@newrobustcmd*{\bid@csxappto}[1]{\expandafter\bid@xappto\csname#1\endcsname}
2904 \bid@newrobustcmd*{\bid@protected@cseappto}{\bid@protected\bid@cseappto}
2905 \bid@newrobustcmd*{\bid@protected@csxappto}{\bid@protected\bid@csxappto}
2906
2907
2908
2909 \bid@newrobustcmd*{\bid@cspreto}[1]{\expandafter\bid@preto\csname#1\endcsname}
2910 \bid@newrobustcmd*{\bid@csepreto}[1]{\expandafter\bid@epreto\csname#1\endcsname}
2911 \bid@newrobustcmd*{\bid@csgpreto}[1]{\expandafter\bid@gpreto\csname#1\endcsname}
2912 \bid@newrobustcmd*{\bid@csxpreto}[1]{\expandafter\bid@xpreto\csname#1\endcsname}
2913 \bid@newrobustcmd*{\bid@protected@csepreto}{\bid@protected\bid@csepreto}
2914 \bid@newrobustcmd*{\bid@protected@csxpreto}{\bid@protected\bid@csxpreto}
2915
2916
2917
2918 \bid@newrobustcmd{\if@bid@patchable}{%
2919 \bid@dbg@trce\if@bid@patchable
2920 \begingroup
2921 \@makeother\#%
2922 \@ifstar\bid@ifpatchablei\bid@ifpatchable}
2923
2924 \long\def\bid@ifpatchable#1#2{%
2925 \endgroup
2926 \bid@dbg@init#1%
2927 \if@bid@undef{#1}
2928 {\bid@dbg@fail{def}\@secondoftwo}
2929 {\bid@dbg@info{def}%
2930 \if@bid@defmacro{#1}
2931 {\bid@dbg@info{mac}%
2932 \bid@ifscanable{#1}
2933 {\bid@ifhashcheck{#2}
2934 {\bid@dbg@info{tok}%
2935 \bid@ifpattern#1{#2}
2936 {\bid@dbg@info{pat}%
2937 \bid@dbg@info{pos}\@firstoftwo}
2938 {\bid@dbg@fail{pat}\@secondoftwo}}
2939 {\bid@dbg@fail{hsh}\@secondoftwo}}
2940 {\bid@dbg@fail{tok}\@secondoftwo}}
2941 {\bid@dbg@fail{mac}\@secondoftwo}}}

```




```

2942
2943 \long\def\bid@ifpatchable@i#1{%
2944   \endgroup
2945   \bid@dbg@init#1%
2946   \if@bid@undef{#1}
2947     {\bid@dbg@fail{def}\@secondoftwo}
2948     {\bid@dbg@info{def}%
2949     \if@bid@defmacro{#1}
2950       {\bid@dbg@info{mac}%
2951       \if@bid@defparam{#1}
2952         {\bid@dbg@info{prm}%
2953         \bid@ifscanable{#1}
2954           {\bid@dbg@info{tok}%
2955           \bid@dbg@info{pos}\@firstoftwo}
2956           {\bid@dbg@fail{tok}\@secondoftwo}}
2957         {\bid@dbg@info{prl}%
2958         \if@bid@defprotected{#1}
2959           {\bid@dbg@info{pro}}
2960           {}%
2961         \bid@dbg@info{pos}\@firstoftwo}}
2962     {\bid@dbg@fail{mac}\@secondoftwo}}}%
2963
2964 \bid@newrobustcmd*{\bid@patchcmd}{%
2965   \bid@dbg@trce\bid@patchcmd
2966   \begingroup
2967   \@makeother\#%
2968   \bid@@patchcmd}
2969
2970 \newcommand{\bid@@patchcmd}[4][#####1]{%
2971   \bid@ifpatchable#2{#3}
2972   {\bid@dbg@succ{ret}%
2973   \begingroup
2974   \edef\bid@resrvda{%
2975     \def\noexpand\bid@resrvda####1\detokenize{macro:}####2->####3&{%
2976       #1\def\string\bid@resrvda\space####2{\noexpand\bid@resrvdb####3&}}}%
2977   \def\noexpand\bid@resrvdb####1\detokenize{#3}####2&{%
2978     #####1\detokenize{#4}####2}%
2979   \edef\noexpand\bid@resrvda{%
2980     \noexpand\bid@resrvda\meaning#2&}}%
2981   \bid@resrvda
2982   \bid@patchcmd@scantoks\bid@resrvda
2983   \let#2\bid@resrvda
2984   \bid@undef\bid@resrvda
2985   \@firstoftwo}
2986   {\@secondoftwo}}
2987
2988 \def\bid@patchcmd@scantoks#1{%
2989   \edef\bid@resrvda{\endgroup
2990     \unexpanded{\makeatletter\scantokens}{#1}%
2991     \catcode\number`\@=\the\catcode`\@ \relax}%

```



```

2992 \bidi@resrvda}
2993
2994 \newcommand\bidi@isloaded[2][]{
2995   \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
2996     \expandafter\newif\csname if@bidi@#2loaded@\endcsname
2997   \fi
2998   \@ifpackageloaded{#2}
2999     {\csname @bidi@#2loaded@true\endcsname #1}
3000     {\csname @bidi@#2loaded@false\endcsname}}
3001
3002 \protected\def\bidi@ifscanable#1{%
3003   \begingroup
3004   \edef\bidi@resrvda{%
3005     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3006       ####1\def\string\bidi@resrvda####2{####3}}}%
3007   \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3008 \bidi@resrvda
3009 \makeatletter
3010 \scantokens\expandafter{\bidi@resrvda}%
3011 \expandafter\endgroup\ifx#1\bidi@resrvda
3012   \expandafter\@firstoftwo
3013 \else
3014   \expandafter\@secondoftwo
3015 \fi}
3016
3017
3018 \protected\long\def\bidi@ifhashcheck#1{%
3019   \begingroup
3020   \edef\bidi@resrvda{\detokenize{#1}}}%
3021 \expandafter\endgroup
3022 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3023
3024 \edef\bidi@ifhashcheck@i#1&{%
3025   \noexpand\expandafter
3026   \noexpand\bidi@ifhashcheck@ii
3027   \noexpand\strip@prefix#1\string#\string#&}
3028
3029 \edef\bidi@ifhashcheck@ii{%
3030   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
3031 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3032
3033
3034 \protected\long\def\bidi@ifpattern#1#2{%
3035   \begingroup
3036   \edef\bidi@resrvda{%
3037     \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3038       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3039   \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3040     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3041   \noexpand\bidi@resrvda}

```



```

3042 \bidi@resrvda\@secondoftwo\@firstoftwo}
3043
3044
3045 \newcommand{\if@bidi@defparam}{%
3046 \long\edef\if@bidi@defparam#1{%
3047 \noexpand\expandafter\noexpand\bidi@ifdefparam
3048 \noexpand\meaning#1\detokenize{macro}:->&}
3049 \edef\bidi@ifdefparam{%
3050 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3051 \bidi@ifdefparam{\bidi@notblank{#2}}
3052
3053
3054 \newcommand{\if@bidi@defprotected}{%
3055 \long\edef\if@bidi@defprotected#1{%
3056 \noexpand\expandafter\noexpand\bidi@ifdefprotected
3057 \noexpand\meaning#1\string\protected&}
3058 \edef\bidi@ifdefprotected{%
3059 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3060 \bidi@ifdefprotected{\bidi@notblank{#2}}
3061
3062
3063 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3064
3065 \let\bidi@dbg@trce\@gobble
3066 \let\bidi@dbg@init\@gobble
3067 \let\bidi@dbg@info\@gobble
3068 \let\bidi@dbg@succ\@gobble
3069 \let\bidi@dbg@fail\@gobble
3070
3071
3072
3073 \bidi@newrobustcmd*\bidi@apptocmd}{%
3074 \bidi@dbg@trce\bidi@apptocmd
3075 \begingroup
3076 \@makeother\#%
3077 \bidi@hooktocmd\bidi@append}
3078
3079
3080
3081 \bidi@newrobustcmd*\bidi@pretocmd}{%
3082 \bidi@dbg@trce\bidi@pretocmd
3083 \begingroup
3084 \@makeother\#%
3085 \bidi@hooktocmd\bidi@prepend}
3086
3087 \long\def\bidi@hooktocmd#1#2#3{%
3088 \endgroup
3089 \bidi@dbg@init#2%
3090 \if@bidi@undef{#2}
3091 {\bidi@dbg@fail{def}\@secondoftwo}

```



```

3092 {\bidi@dbg@info{def}%
3093 \if@bidi@defmacro{#2}
3094 {\bidi@dbg@info{mac}%
3095 \if@bidi@defparam{#2}
3096 {\bidi@dbg@info{prm}%
3097 \bidi@ifscanable{#2}
3098 {\bidi@ifhashcheck{#3}
3099 {\bidi@dbg@info{tok}%
3100 \bidi@dbg@succ{ret}%
3101 \bidi@hooktocmd@i#1#2{#3}%
3102 \@firstoftwo}
3103 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3104 {\bidi@dbg@fail{tok}\@secondoftwo}}
3105 {\bidi@dbg@info{prl}%
3106 \if@bidi@defprotected{#2}
3107 {\bidi@dbg@info{pro}%
3108 \bidi@dbg@succ{red}%
3109 \protected}
3110 {\bidi@dbg@succ{red}}}%
3111 \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3112 \@firstoftwo}}
3113 {\bidi@dbg@fail{mac}\@secondoftwo}}
3114
3115 \long\def\bidi@hooktocmd@i#1#2#3{%
3116 \begingroup
3117 \edef\bidi@resrvda{%
3118 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3119 ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3120 \edef\noexpand\bidi@resrvda{%
3121 \noexpand\bidi@resrvda\meaning#2&}}%
3122 \bidi@resrvda
3123 \bidi@patchcmd@scantoks\bidi@resrvda
3124 \let#2\bidi@resrvda
3125 \bidi@undef\bidi@resrvda}
3126
3127 \long\def\bidi@append#1#2{#1#2}
3128 \long\def\bidi@prepend#1#2{#2#1}
3129
3130 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3131 \newcommand*{\bidi@endpreamblehook}{}
3132
3133 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipouthook}
3134 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3135
3136 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3137 \newcommand*{\bidi@beforeheaderhook}{}
3138
3139 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpagehook}
3140 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
3141

```



```

3142 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpagehook}
3143 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
3144
3145 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
3146 \newcommand*{\bidi@beforefooterhook}{}
3147
3148 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3149 \newcommand*{\bidi@afterfooterhook}{}
3150
3151
3152 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
3153 \newcommand*{\bidi@afteroutputpageshipouthook}{}
3154
3155 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3156 \newcommand*{\bidi@atendoutputpagehook}{}
3157
3158 \bidi@preto\document{%
3159   \endgroup
3160   \let\bidi@AtEndPreamble\@firstofone
3161   \bidi@endpreamblehook
3162   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3163   \bidi@undef\bidi@endpreamblehook
3164   \begingroup}
3165
3166 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3167 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3168
3169 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3170 \newcommand*{\bidi@afterendpreamblehook}{}
3171
3172 \bidi@appto\document{%
3173   \let\bidi@AfterEndPreamble\@firstofone
3174   \bidi@afterendpreamblehook
3175   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3176   \bidi@undef\bidi@afterendpreamblehook
3177   \ignorespaces}
3178
3179 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3180
3181 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
3182 \newcommand*{\bidi@afterlastshipouthook}{}
3183
3184 \bidi@patchcmd\enddocument
3185   {\clearpage}
3186   {\clearpage
3187     \let\bidi@AfterLastShipout\@firstofone
3188     \bidi@afterlastshipouthook}
3189   {}
3190   {\let\bidi@clearpage\clearpage
3191     \def\clearpage{%

```



```

3192 \bidi@clearpage
3193 \let\bidi@AfterLastShipout\@firstofone
3194 \bidi@afterlastshipouthook}}
3195
3196 \bidi@newrobustcmd*\bidi@AfterEndDocument}\bidi@gappto\bidi@afterenddocumenthook}
3197 \newcommand*\bidi@afterenddocumenthook{}
3198
3199 \bidi@patchcmd\enddocument
3200 {\deadcycles}
3201 {\let\bidi@AfterEndDocument\@firstofone
3202 \bidi@afterenddocumenthook
3203 \deadcycles}
3204 {}
3205 {\let\bidi@@end\@end
3206 \def\@end{%
3207 \let\bidi@AfterEndDocument\@firstofone
3208 \bidi@afterenddocumenthook
3209 \bidi@@end}}
3210
3211 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3212 \bidi@csgappto{\bidi@begin@#1@hook}}
3213
3214 \bidi@patchcmd\begin
3215 {\csname #1\endcsname}
3216 {\bidi@csuse{\bidi@begin@#1@hook}%
3217 \csname #1\endcsname}
3218 {}
3219 {\bidi@warning{%
3220 Patching '\string\begin' failed!\MessageBreak
3221 '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3222
3223
3224
3225 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3226 \bidi@csgappto{\bidi@end@#1@hook}}
3227
3228 \bidi@patchcmd\end
3229 {\csname end#1\endcsname}
3230 {\bidi@csuse{\bidi@end@#1@hook}%
3231 \csname end#1\endcsname}
3232 {}
3233 {\bidi@warning{%
3234 Patching '\string\end' failed!\MessageBreak
3235 '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3236
3237
3238
3239 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3240 \bidi@csgappto{\bidi@beforebegin@#1@hook}}
3241

```



```

3242 \bidi@pretocmd\begin
3243   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3244   {}
3245   {\bidi@warning{%
3246     Patching '\string\begin' failed!\MessageBreak
3247     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
3248
3249
3250
3251 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3252   \bidi@csgappto{@bidi@afterend@#1@hook}}
3253
3254 \bidi@patchcmd\end
3255   {\if@ignore}
3256   {\bidi@csuse{@bidi@afterend@#1@hook}%
3257    \if@ignore}
3258   {}
3259   {\bidi@warning{%
3260     Patching '\string\end' failed!\MessageBreak
3261     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
3262
3263 \chardef\bidi@backslash`\\
3264 \def\bids#1{\texttt{\char\bidi@backslash#1}}
3265
3266 % anonymous control sequences
3267 \newcount\bidi@tempcountb
3268 \newtoks\bidi@temptoksa
3269 \newtoks\bidi@temptoksb
3270
3271 % Catcode (re)storing
3272 %
3273 \def\bidi@storecatcode#1%
3274   {\escapechar\m@ne
3275    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3276    {\catcode`\string#1=
3277     \the\catcode\expandafter`\string#1}%
3278    \catcode\expandafter`\string#1=12\relax
3279    \escapechar`\\relax}
3280 \def\bidi@restorecatcode#1%
3281   {\escapechar\m@ne
3282    \csname bidi@restorecatcode\string#1\endcsname
3283    \escapechar`\\relax}
3284
3285 % Construct a control sequence inside \edef
3286 %
3287 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3288
3289 % Construct a control sequence out of #2, and give it to #1
3290 %
3291 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}

```



```

3292
3293 % Pick an escapecharacter
3294 % this presumes that its argument is a character.
3295 %
3296 \def\bidipickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3297
3298 % Equality of strings.
3299 % the fast approach: does not work in expansion-only environment.
3300 %
3301 \def\bidiequalstring#1#2{00\fi\def\bidieqs@a{#1}\def\bidieqs@b{#2}%
3302   \ifx\bidieqs@a\bidieqs@b}
3303
3304 % Test by expansion only
3305 %
3306 \def\bidiequalstringX#1#2{00\fi
3307   \csname if\@bidiequalstringX#1&#2&\endcsname}
3308 \def\@bidiequalstringX#1#2$#3#4$ {\ifx#1#3%
3309   \ifx#1&true\else\bidihop@ES\@bidiequalstringX#2$#4$\fi
3310   \else false\fi}
3311 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
3312
3313 % Lexicographic ordering
3314 % note the use of \def
3315 % also note the characters 0,127,255 that are used,
3316 % these are not supposed to appear in the strings
3317 %
3318 {\catcode0=12 \catcode255=12 \catcode127=12
3319 \gdef\bidistringbeforeNC#1#2{00\fi
3320   \bidicharsbefore#1^^@^^?#2^^ff^^?}
3321 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
3322   \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
3323   \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
3324   \else\ifnum\lccode`#1<\lccode`#3
3325     \def\bidinext{\csname iftrue\endcsname}%
3326   \else\ifnum\lccode`#1>\lccode`#3
3327     \def\bidinext{\csname iffalse\endcsname}%
3328   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3329   \fi \fi \fi \fi
3330   \bidinext}
3331 \gdef\bidistringbefore#1#2{00\fi
3332   \bidicharsbefore#1^^@^^?#2^^ff^^?}
3333 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
3334   \ifnum`#1<`#3
3335     \def\bidinext{\csname iftrue\endcsname}%
3336   \else\ifnum`#1>`#3
3337     \def\bidinext{\csname iffalse\endcsname}%
3338   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3339   \fi\fi
3340   \bidinext}
3341 }

```




```

3342
3343 % Null argument test
3344 %
3345 \def\bidempty{}
3346 \def\bidempty#1{00\fi\expandafter\ifx\csname bidi@#1\endcsname\bidempty\fi}
3347 \def\bidemptyX#1{\expandafter\ifx\csname bidi@#1\endcsname\bidempty\fi}
3348 %\def\bidempty#1{\def\bidcs@a{#1}\ifx\bidcs@a\bidempty}
3349 \def\bidemptylist#1{00\fi\def\bidcs@a{#1}\ifx\cs@a\bidempty}
3350
3351 % Next character test
3352 %
3353 \def\bidnextchar#1#2#3{00\fi
3354   \let\bidnxt@ch#1\def\bidnxt@a{#2}\def\bidnxt@b{#3}%
3355   \futurelet\bidnxt@c\@bidifnxtc}
3356 \def\bidifnextchar#1#2#3{%
3357   \let\bidnxt@ch#1\def\bidnxt@a{#2}\def\bidnxt@b{#3}%
3358   \futurelet\bidnxt@c\@bidifnxtc}
3359 \def\@bidifnxtc{\ifx\bidnxt@ch\bidnxt@c \expandafter\bidnxt@a
3360   \else \expandafter\bidnxt@b \fi}
3361
3362 % Test for defined-ness of string as control sequence.
3363 % works inside \edef
3364 %
3365 \def\bidundefinedcs#1{00\fi\bidcsarg\ifx{#1}\relax}
3366
3367 % Define uniquely defined dummy macros,
3368 % usually to serve as bumper blocks at the end of a list
3369 %
3370 \newcount\bid@dummies
3371 \def\DefNewDummy#1{
3372   \if\bidundefinedcs{#1}\bidcsarg\edef{#1}{\bid@dum\the\bid@dummies}
3373   \advance\bid@dummies\@ne
3374   \else
3375     \biderror{Attempt at second definition of `#1'}
3376   \fi}
3377
3378 % string case statement
3379 % use: \bidswitch \iftest{...} in:
3380 %   item1 action1
3381 %   ...
3382 %   itemn actionn
3383 %   default defaultaction [optional]
3384 %   \endbidswitch
3385 % inspired by Jonathan Fine: Some Basic Control Macros
3386 % Tugboat 12 #4
3387 %
3388 \let\@bid@fi\fi \let\endbidswitch\relax \DefNewDummy{\bid@default}
3389 \def\bidswitch@exit #1 \@bid@fi #2 \endbidswitch {\fi #1}
3390 \def\bidswitch #1#2#3{\bidcsarg\ifx{#2}\bid@default\bidswitch@exit #3 \@bid@fi
3391   #1{#2}\bidswitch@exit #3 \@bid@fi

```



```

3392 \bidi@switch {#1}
3393 }
3394 % this version puts the test object in {}
3395 \def\bidi@oswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3396 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3397 \bidi@switch #1 in:
3398 }
3399 % this version assumes that the test object is just one character
3400 \def\bidi@cswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3401 #1#2\bidi@switch@exit #3 \@bidi@fi
3402 \bidi@cswitch #1 in:
3403 }
3404 % this version assumes that the test object can have an optional space
3405 \def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3406 #1#2 \bidi@switch@exit #3 \@bidi@fi
3407 \bidi@bswitch #1 in:
3408 }
3409 % this version can cope with significant spaces at the start of #3;
3410 % #2 is macro argument
3411 \def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3412 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3413 \bidi@mswitch #1 in:
3414 }
3415 % idem; #2 does not have to be enclosed in braces
3416 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3417 #1#2 \bidi@switch@exit #3 \@bidi@fi
3418 \bidi@fswitch #1 in:
3419 }
3420
3421 % Routines for taking the value of a string:
3422 % if the string is defined as control sequence
3423 % take the value of that, otherwise take the string itself
3424
3425 % String or value of control sequence
3426 %
3427 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3428
3429 % String or control sequence
3430 %
3431 \def\bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3432
3433 % String or \noexpand-ed control sequence;
3434 % for use in \edef
3435 %
3436 \newif\ifbidi@in@label
3437 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3438 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3439 \newtoks\bidi@are@these@correct
3440 \def\bidi@t@w@w#1{%
3441 \if\bidi@undefinedcs{#1}#1%

```



```

3442     \ifdefining\bid@append@to@list\bid@are@these@correct{#1 }\fi
3443     \else
3444         \ifin@label\noexpand\protect\fi \bid@csname{#1}\fi}
3445
3446 % List Manipulation .....
3447 % this assumes that #1 is a list of tokens, #2 is the name of a list
3448 %
3449 % Names of lists (and of items to pop into) are given as strings;
3450 % not as control sequences.
3451 %
3452 \newtoks\bid@toks@lista \newtoks\bid@toks@listb
3453 % basic append/prepend macro
3454 \long\def\@bid@append@to@csl@list#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
3455     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@lista}
3456 \long\def\@bid@prepend@to@csl@list#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
3457     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@lista}
3458 \def\@bid@append@to@list{\bid@csarg\@bid@append@to@csl@list}
3459 % variations:
3460 \long\def\bid@append@to@list#1#2{\@bid@append@to@list{#1}{#2}}
3461 \def\bid@append@list@to@list#1#2{%
3462     \@bid@append@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
3463 \def\bid@append@csl@list@to@csl@list#1#2{%
3464     \@bid@append@to@csl@list{#1}\expandafter{\the#2}}
3465 \def\bid@append@toks@csl@to@list#1#2{\@bid@append@to@list{#1}\expandafter{\the#2}}
3466
3467 \let\bid@willbeunhskip\unhskip
3468
3469 % A few list macros for the user
3470 \def\NewList:#1 {\bid@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3471 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3472 \long\def\AppendToList:#1=#2 {\@bid@append@to@list{#1}{#2}}
3473 \def\TheList:#1 {\let\bid@oldwbuskip\bid@willbeunhskip \let\bid@willbeunhskip\@empty
3474     \if\bid@undefinedcs{#1}\bid@error{List <#1> undefined}
3475     \else\bid@csarg\the{#1}\fi
3476     \let\bid@willbeunhskip\bid@oldwbuskip}
3477
3478 \def\bid@del@tok@from@list#1#2{\begingroup
3479     \long\def\bid@cs@list##1#2##2\bid@tok@SM
3480         {\bid@toks@lista{##1}\bid@toks@listb{##2}}%
3481         \edef\bid@cs@listb{\global\bid@csname{#1}=
3482             {\the\bid@toks@lista\the\bid@toks@listb}}%
3483         \bid@cs@listb}%
3484     \edef\bid@cs@lista{\noexpand\bid@cs@listef}\expandafter\the\csname#1\endcsname\noexpand
3485     \bid@cs@lista \endgroup}
3486 \def\bid@in@front@of@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%
3487     \bid@in@front@of@csl@list\bid@cs@lista}
3488 \long\def\bid@in@front@of@csl@list#1#2{\begingroup\bid@toks@lista=#2}%
3489     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@lista}
3490     \endgroup}
3491 \long\def\bid@local@in@front@of@list#1#2{\bid@toks@lista=#2}%

```



```

3492 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3493 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3494 \expandafter\the\csname#1\endcsname}%
3495 }
3496 \def\bidiset@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
3497 \bidiset@cslst\bidics@lista}
3498 \long\def\bidiset@cslst#1#2{\begingroup\biditoks@lista={#2}%
3499 \global#1=\expandafter{\the\biditoks@lista}\endgroup}
3500
3501 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% Stack macros
3502 %
3503 % push in terms of prepending of lists
3504 \def\bidipush@cs@onto@cs#1#2{\@bidiprepend@to@cslst#1\expandafter{\expandafter\\expandafter
3505 \def\bidipush@onto#1{\bidicsarg\bidipush@onto@cs{#1}}
3506 \def\bidipush@onto@cs#1#2{\@bidiprepend@to@cslst#1}{\{#2}}
3507 \def\bidilocal@push@onto#1#2{\let\=\relax
3508 \bidilocal@in@front@of@list{#1}{\{#2}}
3509 % pop via auxiliary macro: #1 is result, #2 is stack
3510 % two cs arguments
3511 \def\bidipop@cs@into#1#2{\edef\bidics@e
3512 {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
3513 % two string arguments
3514 \def\bidipop@into#1#2{\edef\bidics@e
3515 {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}
3516 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
3517 \def\bidicopy@stacktop#1#2{%
3518 \edef\bidics@e{\noexpand\@bidicopy@stacktop
3519 {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
3520 \bidics@e}
3521 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
3522 \newcount\bidistack@length \newtoks\biditempty@stack \biditempty@stack{\{\}}
3523 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
3524 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length\@ne}%
3525 \bidistack@length\m@ne \the#1}
3526 % turn a stack upside down
3527 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
3528 \biditempcountb\z@ \biditemptoksa\biditempty@stack
3529 \loop\ifnum\biditempcountb<\bidistack@length
3530 \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\m@ne
3531 \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3532 % \bidiappend@cslst@to@cslst\biditemptoksb\biditemptoksa% append a to b
3533 % \biditemptoksa\biditemptoksb
3534 \repeat% copy b to a
3535 #1\biditemptoksa \biditemptoksa\biditempty@toks}
3536 % invert a stack into a list
3537 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
3538 \biditempcountb\z@ \biditemptoksa\biditempty@toks
3539 \loop\ifnum\biditempcountb<\bidistack@length
3540 \bidipop@into{\biditemptoksb}{#1}\advance\bidistack@length\m@ne
3541 \bidiappend@list@to@list{\biditemptoksb}{\biditemptoksa}\repeat

```



```

3542 \csname#1\endcsname\biditemptoksa \biditemptoksa\biditempty@toks}
3543
3544
3545 % General loop macro:
3546 % \looprepeat
3547 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3548 %   \untilcondition{<cond>} \whilecondition{<cond>}
3549 %   \doloopbody { <loop body> }
3550 % where all control sequences in between \looprepeat and \doloopbody are optional.
3551 %
3552 % var: characters to form a control sequence;
3553 %   after \forvariable{index} you can access the loop counter as \index.
3554 %   This is a count register; to print it use \number\index.
3555 % start,step,end: integers with obvious relations to the loop counter;
3556 %   start and step have a default value of 1
3557 % cond: (sequence of commands ending in) any TeX \if... test.
3558 %
3559 % Count down instead of up with \downtovalue; the increment given in \bystep
3560 % is always positive, and is added or subtracted accordingly.
3561 %
3562 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3563 % at the beginning of the loop body.
3564 %
3565 % Exit from middle of loop: \breaklooprepeat
3566 % use this at any place in the loop; in case of a conditional use
3567 %   \ifsomething ... \expandafter \breaklooprepeat \fi
3568 %
3569 % Note that the line ends do not cause spaces in the output.
3570 %
3571 % Technical details:
3572 % The loop body is not executed in a group: the braces are those
3573 % of a token list.
3574 % The 'forvariable' variable is \let to a \count register.
3575
3576
3577
3578 % Auxiliary stuff
3579 \def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3580 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
3581 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth}
3582
3583 \newcount\bidilooprepeat@depth
3584 \let\endlooprepeat\relax \def\bidicsprotect{}
3585 % Trace switches may later be defined by PAC_utils
3586 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
3587
3588 % Main repeatloop macro
3589 % - go to next level and allocate unique counter/toks if this is the
3590 %   first time we visit this level
3591 % - setup: gather bounds and termination conditions

```



```

3592% - scoop up body in token list; after the assignment define and
3593%   execute body
3594\def\looprepeat#1\doloopbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop
3595  \advance\bidi@looprepeat@depth\@ne\relax
3596  \bidi@looprepeat@csargromannumeral\ifx{\bidi@looprepeat@count}\relax
3597    \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidi@looprepeat@count}%
3598    \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@count}%
3599    \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@count}%
3600    \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@count}%
3601  \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{}\def\bidi@looprepeat@comp{>}\bidi@looprepeat@comp{}
3602  \edef\bidi@looprepeat@tmp
3603    {\def\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}{\bidi@looprepeat@body}%
3604  \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral{\bidi@looprepeat@tokens}%
3605  }
3606% Define and execute loop body
3607% This is done with an \edef to construct the actual sequence
3608\def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef{\bidi@looprepeat@body}{%
3609  \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}%
3610  \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@tokens}%
3611  \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@utest}%
3612  \global\bidi@looprepeat@csargromannumeral\advance{\bidi@looprepeat@count} by \bidi@looprepeat@count%
3613  \noexpand\endlooprepeat
3614  \bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}}%
3615  \bidi@looprepeat@csromannumeral{\bidi@looprepeat@body}\ignorespaces}
3616%
3617% Stop test
3618%% In order to stop, issue a
3619% \breaklooprepeat which scoops up the rest of the body and exits
3620\def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral\
3621  \advance\bidi@looprepeat@depth\@ne \bidi@looprepeat@traceexit
3622  }
3623%
3624%
3625% Setup
3626% gather bounds and termination conditions
3627\def\bidi@looprepeat@setup#1{%
3628  \begingroup
3629    \def\forvariable##1{%
3630      \edef\bidi@looprepeat@tmp{%
3631        \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{\bidi@looprepeat@tmp}%
3632        \bidi@looprepeat@tmp}%
3633      \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{\bidi@looprepeat@count}##1\ignorespaces}%
3634      \def\tovalue##1{%
3635        \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}%
3636          {\bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}%
3637          \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}\bidi@looprepeat@count%
3638          \noexpand\expandafter \noexpand\breaklooprepeat
3639          \noexpand\fi}\ignorespaces}%
3640        \bidi@looprepeat@tmp}%
3641      \def\downtovalue##1{%

```



```

3642 \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3643 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}\
3644 \bidilooprepeat@csargromannumeral\gdef\bidilooprepeat@inc}{-##1}\else
3645 \bidilooprepeat@csargromannumeral\gdef\bidilooprepeat@inc}{##1}\fi\ignorespaces}%
3646 \def\untilcondition##1{%
3647 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@
3648 {\noexpand##1\relax
3649 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3650 \bidilooprepeat@tmp}%
3651 \def\whilecondition##1{%
3652 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@
3653 {\noexpand##1\relax \noexpand\else
3654 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3655 \bidilooprepeat@tmp}%
3656 \fromvalue{\@ne}\bystep{\@ne}#1%
3657 \endgroup}
3658 \def\bidilooprepeat@zero
3659 {\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}{}}\bidilooprepeat@csromannumeral{\bidilooprepeat@csargromannumeral\def\bidilooprepeat@body}{}}
3660 \bidilooprepeat@csargromannumeral\def\bidilooprepeat@body}{}}
3661
3662 %\tracingmacros2
3663 %\newcount\tmpcount % used in some examples below
3664
3665 %\looprepeat \forvariable{i}
3666 % \bystep{2}
3667 % \doloopbody {%
3668 % \ifnum i=13 \expandafter\breaklooprepeat \fi
3669 % \number{i} } %
3670 %}%
3671
3672 %\looprepeat \forvariable{iii}
3673 % \tovalue{8}
3674 % \doloopbody {}
3675 %After loop: \number{iii}%
3676
3677 %\looprepeat \forvariable{i}
3678 % \fromvalue{10}
3679 % \bystep{2}
3680 % \downtovalue{0}
3681 % \doloopbody {\number{i} }
3682
3683 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
3684 % \doloopbody {\number{x} }
3685
3686 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
3687
3688 %\looprepeat \forvariable{j}
3689 % \untilcondition{\tmpcount>j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3690 % \doloopbody {\number{j} }
3691

```



```

3692 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3693 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3694 % \doloopbody {(\number{i}.\number{j}) }
3695 % }
3696
3697 % infinite loop
3698 %\looprepeat \doloopbody {}
3699
3700 \CheckCommand{\InputIfFileExists}[2]{%
3701   \IfFileExists{#1}%
3702     {#2\@addtofilelist{#1}\@input \@filef@und}}
3703
3704 \renewcommand{\InputIfFileExists}[2]{%
3705   \begingroup\expandafter\expandafter\expandafter\endgroup
3706   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3707     \expandafter\@secondoftwo
3708   \else
3709     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3710     \expandafter\@firstoftwo
3711   \fi
3712   {%
3713     \expandafter\InputIfFileExists\expandafter{\csname
3714       #1-@bidi@alias\endcsname}{#2}%
3715   }%
3716   {\IfFileExists{#1}{%
3717     \bidi@load@hook{before}{#1}%
3718     #2\@addtofilelist{#1}%
3719     \@input \@filef@und
3720     \bidi@load@hook{after}{#1}%
3721   }}%
3722 }
3723
3724 \newcommand*{\bidi@@loadwithoptions}{%
3725 \newcommand*{\bidi@loadwithoptions}{%
3726 \let\bidi@loadwithoptions\@loadwithoptions
3727
3728 \renewcommand*{\@loadwithoptions}[3]{%
3729   \begingroup\expandafter\expandafter\expandafter\endgroup
3730   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3731     \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3732   \else
3733     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3734     \def\bidi@@loadwithoptions{%
3735       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3736     }%
3737   \fi
3738   \bidi@@loadwithoptions
3739 }
3740
3741 \newcommand*{\bidi@onefilewithoptions}{%

```




```

3742 \let\bidionefilewithoptions\@onefilewithoptions
3743 \def\@onefilewithoptions#1[#2][#3]#4{%
3744   \begingroup\expandafter\expandafter\expandafter\endgroup
3745   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3746     \def\bidionefilewithoptions{\bidionefilewithoptions{#1}}%
3747   \else
3748     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3749     \edef\bidionefilewithoptions{%
3750       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3751   \fi
3752   \bidi@@onefilewithoptions[{#2}][{#3}]{#4}%
3753   \bidi@load@hook{lateafter}{#1.#4}%
3754 }
3755
3756 \newcommand*\bidi@ReplaceInput}[2]{%
3757   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3758 }
3759
3760 \newcommand*\bidi@UnReplaceInput}[1]{%
3761   \ifcsname #1-@bidi@alias\endcsname
3762     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3763   \fi
3764 }
3765
3766 \newcommand*\@bidi@replacefilewithext}[3]{%
3767   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3768 }
3769 \newcommand*\bidi@ReplacePackage}[2]{%
3770   \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3771 }
3772 \newcommand*\bidi@ReplaceClass}[2]{%
3773   \@bidi@replacefilewithext{#1}{#2}\@clsextension
3774 }
3775 \newcommand*\@bidi@unreplacefilewithext}[2]{%
3776   \ifcsname #1.#2-@bidi@aliasname\endcsname
3777     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3778   \fi
3779 }
3780 \newcommand*\bidi@UnReplacePackage}[1]{%
3781   \@bidi@unreplacefilewithext{#1}\@pkgextension
3782 }
3783 \newcommand*\bidi@UnReplaceClass}[1]{%
3784   \@bidi@unreplacefilewithext{#1}\@clsextension
3785 }
3786 \newcommand*\bidi@replacefile@msg}[2]{%
3787   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3788 }
3789
3790 \newcommand*\bidi@load@hook}[2]{%
3791   \@ifundefined{#2-@#1}{}%

```



```

3792 \nameuse{#2-@#1}%
3793 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3794 \newcommand*{\bidi@set@load@hook}[2]{%
3795 \ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}%
3796 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3797 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3798 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3799 \newcommand*{\bidi@BeforeClass}[1]{%
3800 \bidi@set@load@hook{before}{#1.\@clsextension}}
3801 \newcommand*{\bidi@AfterClass}{%
3802 \@ifstar {\@s@bidi@AfterClass}{%
3803 \ifnextchar +\@@bidi@AfterClass{%
3804 \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3805 }%
3806 }%
3807 }
3808
3809 \newcommand*{\@@@bidi@AfterClass}[2]{%
3810 \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3811 \aftergroup\@s@bidi@AfterClass
3812 \else
3813 \aftergroup\bidi@AfterAtEndOfClass
3814 \fi
3815 \endgroup{#2}%
3816 }
3817
3818 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3819 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3820 \newcommand*{\@@bidi@AfterClass}[2]{%
3821 \begingroup
3822 \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3823 \aftergroup\@s@bidi@AfterClass
3824 \else
3825 \aftergroup\bidi@AfterClass
3826 \fi
3827 \endgroup{#2}%
3828 }
3829
3830 \newcommand*{\@bidi@AfterClass}[1]{%
3831 \bidi@set@load@hook{after}{#1.\@clsextension}}
3832 \newcommand*{\@s@bidi@AfterClass}[1]{%
3833 \begingroup
3834 \@ifclassloaded{#1}{%
3835 \aftergroup\@secondoftwo
3836 }{%
3837 \aftergroup\bidi@AfterClass
3838 }%
3839 \endgroup
3840 {#1}%
3841 }

```



```

3842
3843
3844 \newcommand*{\bidi@BeforePackage}[1]{%
3845   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3846 \newcommand*{\bidi@AfterPackage}{%
3847   \ifstar {\@s@bidi@AfterPackage}{%
3848     \@ifnextchar +\@bidi@AfterPackage{%
3849       \@ifnextchar !\@bidi@AfterPackage\bidi@AfterPackage
3850     }%
3851   }%
3852 }
3853 \newcommand*{\@bidi@AfterPackage}[2]{%
3854   \begingroup\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
3855     \aftergroup\@s@bidi@AfterPackage
3856   \else
3857     \aftergroup\bidi@AfterAtEndOfPackage
3858   \fi
3859   \endgroup{#2}%
3860 }
3861 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
3862   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3863 \newcommand*{\@bidi@AfterPackage}[2]{%
3864   \begingroup
3865     \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
3866       \aftergroup\@s@bidi@AfterPackage
3867     \else
3868       \aftergroup\bidi@AfterPackage
3869     \fi
3870   \endgroup{#2}%
3871 }
3872 \newcommand*{\@bidi@AfterPackage}[1]{%
3873   \bidi@set@load@hook{after}{#1.\@pkgextension}}
3874 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3875   \begingroup
3876     \@ifpackageloaded{#1}{%
3877       \aftergroup\@secondoftwo
3878     }{%
3879       \aftergroup\bidi@AfterPackage
3880     }%
3881   \endgroup
3882   {#1}%
3883 }
3884
3885 \newcommand*{\bidi@excludedpackages}{}
3886 \let\bidi@excludedpackages\@empty
3887 \newcommand*{\bidi@saved@RequirePackage}{}
3888 \newcommand*{\bidi@PreventPackageFromLoading}{%
3889   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3890           {\@bidi@PreventPackageFromLoading\PackageWarning}%
3891 }

```



```

3892 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3893   \ifnextchar [%]
3894     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
3895 }
3896 \newcommand*{\@bidi@PreventPackageFromLoading}{%
3897
3898 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3899   \edef\reserved@a{\zap@space#3 \@empty}%
3900   \ifx \reserved@a\@empty
3901     #1{biditools}{%
3902       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3903       argument ignored%
3904     }%
3905   \else
3906     \ifx\bidi@excludedpackages\@empty
3907       \let\bidi@saved@RequirePackage\RequirePackage
3908       \let\RequirePackage\bidi@RequirePackage
3909       \def\reserved@a##1##{%
3910         \@latex@error
3911         {\noexpand \usepackage before \string\documentclass}%
3912         {\noexpand \usepackage may only appear in the document
3913          preamble, i.e.,\MessageBreak
3914          between \noexpand\documentclass and
3915          \string\begin{document}.}%
3916         \@gobble}%
3917       \ifx\reserved@a\usepackage\else
3918         \ifx\usepackage\bidi@saved@RequirePackage\else
3919           \PackageWarning{biditools}{%
3920             Maybe serious problem: unexpected definition of\MessageBreak
3921             \string\usepackage
3922           }%
3923         \fi
3924         \let\usepackage\RequirePackage
3925       \fi
3926     \fi
3927     \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3928     \reserved@a\do {%
3929       \ifx\reserved@a\@empty
3930         #1{biditools}{%
3931           empty package argument for
3932           \string\bidi@PreventPackageFromLoading\MessageBreak
3933           ignored%
3934         }%
3935       \else
3936         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3937           #1{biditools}{%
3938             package '\reserved@a' already loaded.\MessageBreak
3939             Cannot prevent it from being loaded%
3940           }%
3941         }{

```



```

3942 \edef\bidi@excludedpackages{\bidi@excludedpackages,%
3943 \reserved@a}%
3944 \if\relax\detokenize{#2}\relax\else
3945 \ifundefined\bidi@exclude@package@\reserved@a @do}{%
3946 \namedef\bidi@exclude@package@\reserved@a @do}{}%
3947 }{}%
3948 \expandafter\def
3949 \csname bidi@exclude@package@\reserved@a
3950 @do\expandafter\expandafter\expandafter\endcsname
3951 \expandafter\expandafter\expandafter{%
3952 \csname bidi@exclude@package@\reserved@a @do\endcsname
3953 #2%
3954 }%
3955 \fi
3956 }%
3957 \fi
3958 }%
3959 \ifx\bidi@excludedpackages\@empty
3960 \bidi@ResetPreventPackageFromLoading
3961 \fi
3962 \fi
3963 }
3964
3965 \@onlypreamble\bidi@PreventPackageFromLoading
3966 \newcommand*{\bidi@ResetPreventPackageFromLoading}{%
3967 \let\bidi@excludedpackages\@empty
3968 \ifx\RequirePackage\bidi@RequirePackage
3969 \ifx\usepackage\RequirePackage
3970 \let\usepackage\bidi@saved@RequirePackage
3971 \fi
3972 \let\RequirePackage\bidi@saved@RequirePackage
3973 \fi
3974 }
3975 \@onlypreamble\bidi@ResetPreventPackageFromLoading
3976 \newcommand*{\bidi@StorePreventPackageFromLoading}[1]{%
3977 \let#1\bidi@excludedpackages
3978 }
3979 \@onlypreamble\bidi@StorePreventPackageFromLoading
3980 \newcommand*{\bidi@UnPreventPackageFromLoading}{%
3981 \@ifstar {\@tempswatrue\bidi@UnPreventPackageFromLoading}%
3982 {\@tempswafalse\bidi@UnPreventPackageFromLoading}%
3983 }
3984
3985 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
3986 \edef\reserved@b{\zap@space#1 \@empty}%
3987 \if@tempswa
3988 \@for\reserved@a:=\reserved@b\do {%
3989 \ifx\reserved@a\@empty \else
3990 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3991 \expandafter\let

```



```

3992         \csname bidi@exclude@package@\reserved@a @do\endcsname
3993         \undefined
3994     \fi
3995 \fi
3996 }%
3997 \fi
3998 \ifcsname bidi@excludedpackages\endcsname
3999     \let\reserved@a\bidi@excludedpackages
4000     \let\bidi@excludedpackages\@empty
4001     \expandafter\@for\expandafter\reserved@c
4002     \expandafter:\expandafter=\reserved@a
4003     \do{%
4004         \ifx\reserved@c\@empty\else
4005             \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
4006             \ifin@
4007             \else
4008                 \edef\bidi@excludedpackages{%
4009                     \bidi@excludedpackages,\reserved@c
4010                 }%
4011             \fi
4012         \fi
4013     }%
4014     \ifx\bidi@excludedpackages\@empty\bidi@ResetPreventPackageFromLoading\fi
4015 \fi
4016 }
4017
4018
4019 \newcommand*{\bidi@RequirePackage}[2] [] {%
4020     \let\reserved@c\@empty
4021     \let\reserved@d\@empty
4022     \edef\reserved@b{\zap@space#2 \@empty}%
4023     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
4024     \do {%
4025         \begingroup
4026             \@tempswatrue
4027             \@for\reserved@a:=\bidi@excludedpackages\do {%
4028                 \ifx\reserved@a\reserved@b
4029                     \@tempswafalse
4030                 \fi
4031             }%
4032             \if@tempswa
4033                 \xdef\reserved@c{\reserved@c,\reserved@b}%
4034             \else
4035                 \ifx\reserved@b\@empty\else
4036                     \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
4037                         from loading}%
4038                     \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
4039                         }{%
4040                             \expandafter\g@addto@macro\expandafter\reserved@d
4041                             \csname bidi@exclude@package@\reserved@b @do\endcsname

```



```

4042         }%
4043     \fi
4044 \fi
4045 \endgroup
4046 }%
4047 \ifx\reserved@c\@empty
4048     \let\reserved@a\bidigobbleopt
4049 \else
4050     \edef\reserved@a{\noexpand\bidisaved@RequirePackage[#1]{%
4051         \expandafter\@gobble\reserved@c\@empty}}%
4052 \fi
4053 \expandafter\reserved@d
4054 \reserved@a
4055 }
4056
4057 \newcommand{\bidigobbleopt}[1] [] {}
4058 \AtEndDocument{%
4059     \let\bidisaved@checkend=\@checkend
4060     \renewcommand*{\@checkend}[1]{%
4061         \def\reserved@a{#1}\def\reserved@b{document}%
4062         \bidisaved@checkend{#1}%
4063         \ifx\reserved@a\reserved@b
4064             \let\bidisaved@clearpage=\clearpage
4065             \renewcommand*{\clearpage}{\bidisaved@clearpage
4066                 \bidi@hook@bcma
4067                 \bidi@restore@newpage
4068                 \let\clearpage=\bidisaved@clearpage}%
4069         \fi%
4070         \let\bidisaved@dofilelist\@dofilelist
4071         \def\@dofilelist{%
4072             \bidi@hook@acma
4073             \let\@dofilelist\bidisaved@dofilelist
4074             \bidisaved@dofilelist
4075         }%
4076     }%
4077 }
4078
4079
4080 \newcommand*{\bidisaved@checkend}{}
4081 \newcommand*{\bidisaved@dofilelist}{}
4082 \newcommand*{\bidi@redefine@newpage}{%
4083     \let\bidisaved@newpage\newpage
4084     \def\bidi@restore@newpage{%
4085         \renewcommand*{\newpage}{%
4086             \PackageWarningNoLine{%
4087                 biditools%
4088             }{%
4089                 \string\newpage\space at main aux file!\MessageBreak
4090                 You have output material at the main aux file.\MessageBreak
4091                 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak

```



```

4092         are processed before the output from aux file%
4093     }%
4094     \let\newpage\bidisaved@newpage
4095     \newpage
4096 }%
4097 }%
4098 \renewcommand*{\newpage}{%
4099     \PackageError{%
4100         biditools%
4101     }{%
4102         \string\newpage\space at \string\bidibeforeclosingmainaux
4103     }{%
4104         You should never use \string\newpage\space or
4105         \string\clear(double)page or other output material at the\MessageBreak
4106         argument of \string\bidibeforeclosingmainaux!\MessageBreak
4107         If you'll continue, the \string\newpage\space will be ignored to
4108         avoid corruption of\MessageBreak
4109         every prior use of \string\bidibeforeclosingmainaux.
4110     }%
4111 }%
4112 }
4113
4114 \newcommand*{\bidirestore@newpage}{}
4115 \newcommand*{\bidihook@bcma}{}
4116 \newcommand*{\bidihook@acma}{}
4117 \newcommand*{\bidibeforeclosingmainaux}{%
4118     \ifx\bidihook@bcma\@empty
4119         \gdef\bidihook@bcma{%
4120             \renewcommand*{\bidibeforeclosingmainaux}[1]{###1}%
4121             \let\protected@write\bidiprotected@immediate@write
4122             \bidiredefine@newpage
4123         }%
4124     \fi
4125     \g@addto@macro\bidihook@bcma%
4126 }
4127
4128 \newcommand*{\bidiafterreadingmainaux}{%
4129     \ifx\bidihook@acma\@empty
4130         \gdef\bidihook@acma{%
4131             \renewcommand*{\bidiafterreadingmainaux}[1]{###1}%
4132             \let\protected@write\bidiprotected@immediate@write
4133         }%
4134     \fi
4135     \g@addto@macro\bidihook@acma%
4136 }
4137
4138 \long\def\bidiprotected@immediate@write#1#2#3{%
4139     \begingroup
4140     #2%
4141     \let\protect\@unexpandable@protect

```




```

4142 \edef\reserved@a{\immediate\write#1{#3}}%
4143 \reserved@a
4144 \endgroup
4145 \if@nobreak\ifvmode\nobreak\fi\fi
4146 }
4147
4148 \def\bidipatch@counter{0}%
4149 \if@bidi@csundef{numexpr}{%
4150 \def\bidipatch@stepcounter{%
4151 \begingroup
4152 \count@\bidipatch@counter\relax
4153 \advance\count@\@ne\relax
4154 \edef\x{\endgroup
4155 \noexpand\def\noexpand\bidipatch@counter{\the\count@}}%
4156 }%
4157 \x
4158 }%
4159 }{%
4160 \def\bidipatch@stepcounter{%
4161 \edef\bidipatch@counter{%
4162 \the\numexpr\bidipatch@counter+\@ne\relax
4163 }%
4164 }%
4165 }
4166 \def\bidipatch@list{}
4167 \def\bidipatch@Add{%
4168 \bidi@appto\bidipatch@list
4169 }
4170 \def\bidipatch@AfterPackage#1{%
4171 \@ifpackageloaded{#1}{%
4172 \@firstofone
4173 }{%
4174 \@bidipatch@AfterPackage{#1}%
4175 }%
4176 }
4177 \def\@bidipatch@AfterPackage#1{%
4178 \edef\bidipatch@temp{#1}%
4179 \bidipatch@stepcounter
4180 \expandafter\bidipatch@@AfterPackage
4181 \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4182 \bidipatch@temp
4183 }%
4184 }
4185 \def\bidipatch@@AfterPackage#1#2#3{%
4186 \begingroup
4187 \toks@{#3}%
4188 \xdef\bidipatch@gtemp{%
4189 \noexpand\@ifpackageloaded{#2}{%
4190 \noexpand\let\noexpand#1\noexpand\relax
4191 \the\toks@

```



```

4192     }{}%
4193   }%
4194 \endgroup
4195 \let#1\bidipatch@gtemp
4196 \bidipatch@Add#1%
4197 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4198 }
4199
4200 \def\bidipatch@try#1#2#3{%
4201   \if@bidicsundef{#1}{-}{%
4202     \csname #1\endcsname{#2}{#3}%
4203   }%
4204 }
4205
4206 \AtBeginDocument{\bidipatch@list}
4207
4208 \bidipatch@AtEndPreamble{\bidipatch@list}%
4209
4210 \bidipatch@AfterEndPreamble{%
4211   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
4212   \let\bidipatch@OrgIfPackageLater\ifpackagelater
4213   \let\bidipatch@OrgIfClassLoaded\ifclassloaded
4214   \let\bidipatch@OrgIfClassLater\ifclasslater
4215   \bidipatch@list
4216   \let\ifpackageloaded\bidipatch@OrgIfPackageLoaded
4217   \let\ifpackagelater\bidipatch@OrgIfPackageLater
4218   \let\ifclassloaded\bidipatch@OrgIfClassLoaded
4219   \let\ifclasslater\bidipatch@OrgIfClassLater
4220 }%

```

21 File `bidituftefloat.sty`

```

4221 \NeedsTeXFormat{LaTeX2e}
4222 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4223 bidi implementation of tufte float]
4224 \RequirePackage{xifthen}
4225 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4226 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
4227 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bidituftefloatDebugInfoNL{#1}}{}}
4228 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\gobble}}
4229 \newboolean{\@bidituftefloat@reversegeometry}
4230 \setboolean{\@bidituftefloat@reversegeometry}{false}
4231 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
4232 \newboolean{\@bidituftefloat@a4paper}
4233 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}
4234 \newboolean{\@bidituftefloat@b5paper}
4235 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@b5paper}{true}}
4236 \newboolean{\@bidituftefloat@symmetric}
4237 \newboolean{\@bidituftefloat@twoside}
4238 \DeclareOption{twoside}{%

```



```

4239 \@twosidetrue \@mparswitchtrue%
4240 \setboolean{@biditytfloat@twoside}{true}%
4241 \setboolean{@biditytfloat@symmetric}{true}%
4242 }
4243 \DeclareOption{oneside}{%
4244 \@twosidefalse \@mparswitchfalse%
4245 \setboolean{@biditytfloat@twoside}{false}%
4246 \setboolean{@biditytfloat@symmetric}{false}%
4247 }
4248 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4249 \newboolean{@biditytfloat@debug}
4250 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetect}
4251 \ProcessOptions
4252 %% Globally sets the length
4253 \newcommand*{\gsetlength}[2]{%
4254 \setlength{#1}{#2}%
4255 \global#1=#1\relax%
4256 }
4257
4258 %% Set the font sizes and baselines to match biditytfloat's books
4259 \renewcommand\normalsize{%
4260 \setfontsize\normalsize\@xpt{14}%
4261 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4262 \abovedisplayshortskip \z@ \@plus3\p@
4263 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4264 \belowdisplayskip \abovedisplayskip
4265 \let\@listi\@listI}
4266 \normalbaselineskip=14pt
4267 \normalsize
4268 \renewcommand\footnotesize{%
4269 \setfontsize\footnotesize\@viipt{10}%
4270 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4271 \abovedisplayshortskip \z@ \@plus\p@
4272 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4273 \def\@listi{\leftmargin\leftmargini
4274 \topsep 3\p@ \@plus\p@ \@minus\p@
4275 \parsep 2\p@ \@plus\p@ \@minus\p@
4276 \itemsep \parsep}%
4277 \belowdisplayskip \abovedisplayskip
4278 }
4279 %% Paragraph indentation and separation for marginal text
4280 \newcommand{\@biditytfloat@margin@par}{%
4281 \setlength{\RaggedRightParindent}{0.5pc}%
4282 \setlength{\JustifyingParindent}{0.5pc}%
4283 \setlength{\parindent}{0.5pc}%
4284 \setlength{\parskip}{0pt}%
4285 }
4286 \RequirePackage{ragged2e}
4287 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
4288 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=

```



```

4289 \ifthenelse{\boolean{@biditytfloat@a4paper}}
4290   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpars
4291   {}
4292 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
4293   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,m
4294   {}}%
4295 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpars
4296 \ifthenelse{\boolean{@biditytfloat@a4paper}}
4297   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpars
4298   {}
4299 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
4300   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,m
4301   {}
4302 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4303   {}
4304   {\geometry{asymmetric}}% forces internal LaTeX `twoside'
4305 \setlength\marginparpush{10pt}
4306 %% Font for margin items
4307 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
4308 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
4309 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
4310 \newcommand{\@biditytfloat@justification}{\justifying}%
4311 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4312 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4313 \newboolean{@biditytfloat@changepage}
4314 \IfFileExists{changepage.sty}{%
4315   \biditytfloatDebugInfoNL{Found changepage.sty}
4316   \RequirePackage[strict]{changepage}
4317   \setboolean{@biditytfloat@changepage}{true}
4318 }{%
4319   \biditytfloatDebugInfoNL{Found chngpage.sty}
4320   \RequirePackage[strict]{chngpage}
4321   \setboolean{@biditytfloat@changepage}{false}
4322 }
4323 \newboolean{@biditytfloat@odd@page}
4324 \setboolean{@biditytfloat@odd@page}{true}
4325 \newcommand*{\@biditytfloat@checkoddpage}{%
4326   \checkoddpage%
4327   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
4328     \ifoddpage%
4329       \setboolean{@biditytfloat@odd@page}{true}%
4330     \else%
4331       \setboolean{@biditytfloat@odd@page}{false}%
4332     \fi%
4333   }{%
4334     \ifcpoddpage%
4335       \setboolean{@biditytfloat@odd@page}{true}%
4336     \else%
4337       \setboolean{@biditytfloat@odd@page}{false}%
4338     \fi%

```



```

4339 }%
4340 }
4341 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running heads
4342 \newlength{\@biditytfloat@fullwidth}
4343 \newlength{\@biditytfloat@caption@fill}
4344 \newcommand{\@biditytfloatRecalculate}{%
4345   \setlength{\@biditytfloat@overhang}{\marginparwidth}
4346   \addtolength{\@biditytfloat@overhang}{\marginparsep}
4347
4348   \setlength{\@biditytfloat@fullwidth}{\textwidth}
4349   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4350   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4351
4352   \setlength{\@biditytfloat@caption@fill}{\textwidth}
4353   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4354 }
4355 \AtBeginDocument{\@biditytfloatRecalculate}
4356 \RequirePackage{optparams}% provides multiple optional arguments for commands
4357 \RequirePackage{placeins}
4358 \newsavebox{\@biditytfloat@margin@floatbox}
4359 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
4360   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4361   {\begin{lrbox}{\@biditytfloat@margin@floatbox}%
4362     \begin{minipage}{\marginparwidth}%
4363       \@biditytfloat@caption@font%
4364       \def\@capttype{#2}%
4365       \hbox{\vspace*{#1}%
4366         \@biditytfloat@caption@justification%
4367         \@biditytfloat@margin@par%
4368         \noindent%
4369       }
4370     {\end{minipage}%
4371     \end{lrbox}%
4372     \marginpar{\usebox{\@biditytfloat@margin@floatbox}}}%
4373   }
4374 \newenvironment{marginfigure}[1][-1.2ex]%
4375   {\begin{@biditytfloat@margin@float}[#1]{figure}}
4376   {\end{@biditytfloat@margin@float}}
4377 \newenvironment{margintable}[1][-1.2ex]%
4378   {\begin{@biditytfloat@margin@float}[#1]{table}}
4379   {\end{@biditytfloat@margin@float}}
4380 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4381
4382 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
4383 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4384   \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
4385     {\def\@biditytfloat@float@debug@info{#1}}%
4386     {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4387 }
4388 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)

```



```

4389 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bituftefloat@float@debug{
4390 \newboolean{@bituftefloat@float@recto}
4391 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@bituftefloat@float@recto}{true}\@bituftef
4392 \newcommand{\forceversofloat}{\GlobalSetBoolean{@bituftefloat@float@recto}{false}\@bituft
4393 \newsavebox{\@bituftefloat@figure@box}
4394 \newsavebox{\@bituftefloat@caption@box}
4395 \let\@bituftefloat@orig@float\@float
4396 \let\@bituftefloat@orig@endfloat\endfloat
4397 \newlength{\@bituftefloat@caption@vertical@offset}
4398 \setlength{\@bituftefloat@caption@vertical@offset}{0pt}
4399 \newcommand{\@bituftefloat@stored@shortcaption}{\}
4400 \newcommand{\@bituftefloat@stored@caption}{\}
4401 \newcommand{\@bituftefloat@stored@label}{\}
4402 \long\def\@bituftefloat@caption[#1][#2]#3{%
4403   \ifthenelse{\isempty{#1}}{%
4404     {\gdef\@bituftefloat@stored@shortcaption{#3}}%
4405     {\gdef\@bituftefloat@stored@shortcaption{#1}}%
4406     \gsetlength{\@bituftefloat@caption@vertical@offset}{-#2}% we want a positive offset to lo
4407     \gdef\@bituftefloat@stored@caption{#3}%
4408 }
4409 \newcommand{\@bituftefloat@label}[1]{%
4410   \gdef\@bituftefloat@stored@label{#1}%
4411 }
4412 \newcommand{\@bituftefloat@fps}{\}
4413 \newboolean{@bituftefloat@float@star}
4414 \newlength{\@bituftefloat@float@contents@width}
4415 \newenvironment{@bituftefloat@float}[3][htbp]{%
4416   {% begin @bituftefloat@float
4417     % Should this float be full-width or just text-width?
4418     \ifthenelse{\equal{#3}{star}}{%
4419       {\GlobalSetBoolean{@bituftefloat@float@star}{true}}%
4420       {\GlobalSetBoolean{@bituftefloat@float@star}{false}}%
4421     % Check page side (recto/verso) and store detected value -- can be overridden in environmen
4422     \@bituftefloat@checkoddpage%
4423     \ifthenelse{\boolean{@bituftefloat@odd@page}}{%
4424       {\GlobalSetBoolean{@bituftefloat@float@recto}{true}\@bituftefloat@float@debug{Detect
4425       {\GlobalSetBoolean{@bituftefloat@float@recto}{false}\@bituftefloat@float@debug{Dete
4426     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4427     \renewcommand{\@bituftefloat@fps}{#1}%
4428     \@bituftefloat@float@debug{Allowed positions: [ #1 ]}%
4429     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4430       {\renewcommand{\floatalignment}{b}\@bituftefloat@float@debug{Presumed position: [botto
4431       {\renewcommand{\floatalignment}{t}\@bituftefloat@float@debug{Presumed position: [top]
4432     % Capture the contents of the \caption and \label commands to use later
4433     \global\let\@bituftefloat@orig@caption\caption%
4434     \global\let\@bituftefloat@orig@label\label%
4435     \renewcommand{\caption}{\optparams{\@bituftefloat@caption}{[] [Opt]}}%
4436     \renewcommand{\label}[1]{\@bituftefloat@label{##1}}%
4437     % Handle subfigure package compatibility
4438     \ifthenelse{\boolean{@bituftefloat@packages@subfigure}}{%

```



```

4439 \bidi@patchcmd{\subfigure}{%
4440 \let\subfig@oldlabel=\label
4441 }{%
4442 \let\subfig@oldlabel=\@biditytfloat@orig@label
4443 }
4444 {}
4445 {}
4446 \let\subtable=\subfigure
4447 }{}% subfigure package is not loaded
4448 \@biditytfloat@orig@float{#2}[#1]%
4449 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4450 {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4451 {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4452 \begin{lrbox}{\@biditytfloat@figure@box}%
4453 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4454 }{}% end @biditytfloat@float
4455 \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}% al
4456 \end{minipage}%
4457 \end{lrbox}%
4458 % build the caption box
4459 \begin{lrbox}{\@biditytfloat@caption@box}%
4460 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4461 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}}{\@biditytfloat@orig@capt
4462 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}}{\@biditytfloat@orig@label{
4463 \par\vspace{-\prevdepth}}}% TODO: DOUBLE-CHECK FOR SAFETY
4464 \end{minipage}%
4465 \end{lrbox}%
4466 % now typeset the stored boxes
4467 \begin{fullwidth}%
4468 \begin{minipage}[\floatalignment]{\linewidth}%
4469 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4470 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4471 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4472 \end{minipage}%
4473 \end{fullwidth}%
4474 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4475 % output debug info
4476 \ifthenelse{\boolean{@biditytfloat@debug}}{%
4477 \typeout{^^J^^J----- biditytfloat package float information -----}%
4478 \ifthenelse{\equal{\@biditytfloat@stored@label}}{%
4479 {\typeout{Warning: Float unlabeled!}}%
4480 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4481 \typeout{Page number: [\thepage]}%
4482 \def\MessageBreak{^^J}%
4483 \typeout{\@biditytfloat@float@debug@info}%
4484 \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4485 {\typeout{Symmetric: [true]}}%
4486 {\typeout{Symmetric: [false]}}%
4487 \typeout{-----^^J^^J}%
4488 }{}%

```



```

4489 % reset commands and temp boxes and captions
4490 \gdef\@biditytfloat@float@debug@info{%
4491 \let\caption\@biditytfloat@orig@caption%
4492 \let\label\@biditytfloat@orig@label%
4493 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4494 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4495 \gdef\@biditytfloat@stored@shortcaption{%
4496 \gdef\@biditytfloat@stored@caption{%
4497 \gdef\@biditytfloat@stored@label{%
4498 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4499 }
4500 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
4501 \ifthenelse{NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}{
4502 % asymmetric or page is odd, so caption is on the right
4503 \hbox{%
4504 \usebox{#2}%
4505 \hspace{\marginparsep}%
4506 \smash{\raisebox{#1}{\usebox{#3}}}%
4507 }
4508 \@biditytfloat@float@debug{Caption position: [right]}%
4509 }{% symmetric pages and page is even, so caption is on the left
4510 \hbox{%
4511 \smash{\raisebox{#1}{\usebox{#3}}}%
4512 \hspace{\marginparsep}%
4513 \usebox{#2}%
4514 }
4515 \@biditytfloat@float@debug{Caption position: [left]}%
4516 }%
4517 }
4518 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4519 \ifthenelse{equal{\floatalignment}{b}}{
4520 {% place caption above figure
4521 \ifthenelse{NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}{
4522 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4523 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4524 }{% place caption below figure
4525 \ifthenelse{NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}{
4526 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4527 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4528 }%
4529 }
4530 \renewenvironment{figure}[1][htbp]{
4531 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4532 {\end{@biditytfloat@float}}
4533 \renewenvironment{table}[1][htbp]{
4534 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4535 {\end{@biditytfloat@float}}
4536 \renewenvironment{figure*}[1][htbp]{
4537 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4538 {\end{@biditytfloat@float}}

```




```

4539 \renewenvironment{table*}[1][htbp]%
4540   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4541   {\end{@biditytfloat@float}}
4542 \newenvironment{fullwidth}
4543   {\ifthenelse{\boolean{@biditytfloat@symmetric}}{%
4544     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@overhang}{\begin{adjustwidth}{-}\@biditytfloat@overhang}}}%
4545     {\begin{adjustwidth}{-}\@biditytfloat@overhang}}}%
4546   }%
4547   {\ifthenelse{\boolean{@biditytfloat@symmetric}}{%
4548     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4549     {\end{adjustwidth}}}%
4550   }
4551 \long\def\caption#1[#2]#3{%
4552   \par%
4553   \addcontentsline{csname ext@#1\endcsname}{#1}%
4554   {\protect\numberline{csname the#1\endcsname}{\ignorespaces #2}}%
4555   \begingroup%
4556     \@parboxrestore%
4557     \if@minipage%
4558       \@setminipage%
4559     \fi%
4560     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4561     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4562     %\makecaption{csname fnum@#1\endcsname}{\ignorespaces #3}\par
4563   \endgroup}
4564 %%
4565 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4566 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4567   \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4568 }
4569 \def\@biditytfloat@newlinetospace@i{%
4570   \ifdim\lastskip>\z@ \else \space \fi
4571   \ignorespaces%
4572 }
4573 \DeclareRobustCommand{\newlinetospace}[1]{%
4574   \let\@biditytfloat@orig@cr\% save the original meaning of \
4575   \def\@biditytfloat@newlinetospace{% turn \ and \* into \space
4576     \let\newline\% turn \newline into \space
4577     #1%
4578     \let\@biditytfloat@orig@cr\% revert to original meaning of \
4579 }
4580 \RequirePackage{fancyhdr}
4581 \pagestyle{fancy}
4582 \AtBeginDocument{%
4583   \ifthenelse{\boolean{@biditytfloat@symmetric}}{
4584     {\fancyhoffset[LE,R0]{\@biditytfloat@overhang}}
4585     {\fancyhoffset[RE,R0]{\@biditytfloat@overhang}}
4586 }
4587 % The running heads/feet don't have rules
4588 \renewcommand{\headrulewidth}{0pt}

```



```

4589 \renewcommand{\footrulewidth}{0pt}
4590 % The 'fancy' page style is the default style for all pages.
4591 \fancyhf{} % clear header and footer fields
4592     \ifthenelse{\boolean{@biditytfloat@symmetric}}{
4593         {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4594         \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4595         {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4596 % The 'plain' page style is used on chapter opening pages.
4597 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4598 % bottom of pages -- the folios are unexpressed.
4599 \fancypagestyle{plain}{
4600     \fancyhf{} % clear header and footer fields
4601     % Uncomment the following five lines of code if you want the opening page
4602     % of the chapter to express the folio in the lower outside corner.
4603     % \ifthenelse{\boolean{@biditytfloat@symmetric}}{
4604     %     {\fancyfoot[LE,RO]{\thepage}}
4605     %     {\fancyfoot[RE,RO]{\thepage}}
4606 }
4607 % The 'empty' page style suppresses all headers and footers.
4608 % It's used on title pages and 'intentionally blank' pages.
4609 \fancypagestyle{empty}{
4610     \fancyhf{} % clear header and footer fields
4611 }
4612 \def\morefloats{% provides a total of 52 floats
4613     \ifthenelse{\isundefined{\bx@S}}{%
4614         \biditytfloatDebugInfoNL{Adding 34 more float slots.}
4615         \newinsert\bx@S
4616         \newinsert\bx@T
4617         \newinsert\bx@U
4618         \newinsert\bx@V
4619         \newinsert\bx@W
4620         \newinsert\bx@X
4621         \newinsert\bx@Y
4622         \newinsert\bx@Z
4623         \newinsert\bx@a
4624         \newinsert\bx@b
4625         \newinsert\bx@c
4626         \newinsert\bx@d
4627         \newinsert\bx@e
4628         \newinsert\bx@f
4629         \newinsert\bx@g
4630         \newinsert\bx@h
4631         \newinsert\bx@i
4632         \newinsert\bx@j
4633         \newinsert\bx@k
4634         \newinsert\bx@l
4635         \newinsert\bx@m
4636         \newinsert\bx@n
4637         \newinsert\bx@o
4638         \newinsert\bx@p

```



```

4639 \newinsert\bx@q
4640 \newinsert\bx@r
4641 \newinsert\bx@s
4642 \newinsert\bx@t
4643 \newinsert\bx@u
4644 \newinsert\bx@v
4645 \newinsert\bx@w
4646 \newinsert\bx@x
4647 \newinsert\bx@y
4648 \newinsert\bx@z
4649 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4650 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4651 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4652 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4653 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4654 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4655 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4656 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4657 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4658 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4659 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4660 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4661 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4662 \ifthenelse{\isundefined{\bx@AA}}{%
4663 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4664 \newinsert\bx@AA
4665 \newinsert\bx@BB
4666 \newinsert\bx@CC
4667 \newinsert\bx@DD
4668 \newinsert\bx@EE
4669 \newinsert\bx@FF
4670 \newinsert\bx@GG
4671 \newinsert\bx@HH
4672 \newinsert\bx@II
4673 \newinsert\bx@JJ
4674 \newinsert\bx@KK
4675 \newinsert\bx@LL
4676 \newinsert\bx@MM
4677 \newinsert\bx@NN
4678 \newinsert\bx@OO
4679 \newinsert\bx@PP
4680 \newinsert\bx@QQ
4681 \newinsert\bx@RR
4682 \newinsert\bx@SS
4683 \newinsert\bx@TT
4684 \newinsert\bx@UU
4685 \newinsert\bx@VV
4686 \newinsert\bx@WW
4687 \newinsert\bx@XX
4688 \newinsert\bx@YY

```



```

4689 \newinsert\bx@ZZ
4690 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4691 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4692 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4693 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4694 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4695 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4696 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4697 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4698 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4699 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4700 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4701 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4702 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4703 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4704 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4705 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4706 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4707 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4708 }{%
4709 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4710 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4711 }%
4712 }%
4713 }
4714 \newboolean{@biditytfloat@packages@subfigure}
4715 \setboolean{@biditytfloat@packages@subfigure}{false}
4716 \AtBeginDocument{%
4717 \ifpackageloaded{subfigure}
4718 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4719 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4720 }
4721 \AtBeginDocument{%
4722 \ifpackageloaded{float}{%
4723 % Save the redefined float environment (instead of the LaTeX float environment)
4724 \let\@biditytfloat@orig@float\@float
4725 \let\@biditytfloat@orig@endfloat\endfloat
4726
4727 % Define Tuftian float styles (with the caption in the margin)
4728 \newcommand{\floatc@biditytfloatplain}[2]{%
4729 \begin{lrbox}{\@biditytfloat@caption@box}%
4730 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4731 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4732 \end{minipage}%
4733 \end{lrbox}%
4734 \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4735 }
4736 \newcommand{\fs@biditytfloatplain}{%
4737 \def\@fs@cfont{\@biditytfloat@caption@font}%
4738 \let\@fs@capt\floatc@biditytfloatplain%

```



```

4739 \def\@fs@pre{}%
4740 \def\@fs@post{}%
4741 \def\@fs@mid{}%
4742 \let\@fs@iftopcapt\iftrue%
4743 }
4744 \let\fs@bituftefloatplaintop=\fs@bituftefloatplain
4745 \let\floatc@bituftefloatplaintop=\floatc@bituftefloatplain
4746 \newcommand\floatc@bituftefloatruled[2]{%
4747   {\@fs@cfont #1} #2\par%
4748 }
4749 \newcommand\fs@bituftefloatruled{%
4750   \def\@fs@cfont{\@bituftefloat@caption@font}%
4751   \let\@fs@capt\floatc@bituftefloatplain%
4752   \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4753   \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4754   \def\@fs@mid{}%
4755   \let\@fs@iftopcapt\iftrue%
4756 }
4757 \newcommand\fs@bituftefloatboxed{%
4758   \def\@fs@cfont{}%
4759   \let\@fs@capt\floatc@bituftefloatplain%
4760   \def\@fs@pre{%
4761     \setbox\@currbox\vbox{\hbadness10000
4762     \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4763     \hrule \hbox to\hsize{\vrule\kern3pt
4764       \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4765   }%
4766   \def\@fs@mid{\kern2pt}%
4767   \def\@fs@post{}%
4768   \let\@fs@iftopcapt\iftrue%
4769 }
4770 }{%
4771   % Nothing to do
4772 }
4773 }
4774 \AtBeginDocument{%
4775   \@ifpackageloaded{algorithm}{%
4776     % Set the float style to the Tufteian version
4777     \ifthenelse{equal{\ALG@floatstyle}{plain}}{\OR\equal{\ALG@floatstyle}{ruled}}{\OR\equal{\ALG@floatstyle}{tufte}}
4778     \bituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4779     \floatstyle{bituftefloat\ALG@floatstyle}%
4780     \restylefloat{algorithm}%
4781   }{}}%
4782 }{%
4783   % Nothing to do
4784 }
4785 }
4786 \PassOptionsToPackage{caption=false}{subfig}

```



22 File bidentuftsidenote.sty

```
4787 \NeedsTeXFormat{LaTeX2e}
4788 \ProvidesPackage{bidentuftsidenote}[2017/08/09 v0.4
4789 bidi implementation of tufte sidenote]
4790 \RequirePackage{xifthen}
4791 \RequirePackage{ragged2e}
4792 \RequirePackage{setspace}
4793 \RequirePackage{bidentools}
4794 \def\bidentuftsidenotemarginpar{%
4795   \ifhmode
4796     \bsphack
4797     \floatpenalty -\Mii
4798   \else
4799     \floatpenalty-\Miii
4800   \fi
4801   \ifinner
4802     \parmoderr
4803     \floatpenalty\z@
4804   \else
4805     \next\currbox\freelist{}{}%
4806     \next\marbox\freelist{\global\count\marbox\mone}%
4807     {\floatpenalty\z@
4808       \fltovf\def\currbox{\tempboxa}\def\marbox{\tempboxa}}%
4809   \fi
4810   \ifnextchar [\bidentuftsidenotexmpar\bidentuftsidenoteympar}
4811 \long\def\bidentuftsidenotexmpar[#1]#2{%
4812   \bidentuftsidenotesavemarbox\marbox{#1}%
4813   \bidentuftsidenotesavemarbox\currbox{#2}%
4814   \xympar}
4815 \long\def\bidentuftsidenoteympar#1{%
4816   \bidentuftsidenotesavemarbox\marbox{#1}%
4817   \global\setbox\currbox\copy\marbox
4818   \xympar}
4819 \long\def \bidentuftsidenotesavemarbox #1#2{%
4820   \global\setbox #1%
4821     \color@vbox
4822       \vtop{%
4823         \hsize\marginparwidth
4824         \@parboxrestore
4825         \bidentuftsidenotemarginparreset
4826         #2%
4827         \@minipagefalse
4828         \outer@nobreak
4829       }%
4830   \color@endbox
4831 }
4832 \def \bidentuftsidenotemarginparreset {%
4833   \reset@font
4834   \normalsize
```



```

4835         \@minipagetrue
4836         \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4837 }
4838 \def\LTRbidityftesidenotemarginpar{%
4839   \ifhmode
4840     \@bsphack
4841     \@floatpenalty -\@Mii
4842   \else
4843     \@floatpenalty-\@Miii
4844   \fi
4845   \ifinner
4846     \@parmoderr
4847     \@floatpenalty\z@
4848   \else
4849     \@next\@currbox\@freelist{}\}%
4850     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4851     {\@floatpenalty\z@
4852       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4853   \fi
4854   \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteypar}
4855 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4856   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4857   \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4858   \@xympar}
4859 \long\def\@LTRbidityftesidenoteypar#1{%
4860   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4861   \global\setbox\@currbox\copy\@marbox
4862   \@xympar}
4863 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4864   \global\setbox #1%
4865     \color@vbox
4866     \vtop{%
4867       \hsize\marginparwidth
4868       \@parboxrestore
4869       \@LTRbidityftesidenotemarginparreset
4870       #2%
4871       \@minipagefalse
4872       \outer@nobreak
4873     }%
4874   \color@endbox
4875 }
4876 \def \@LTRbidityftesidenotemarginparreset {%
4877   \reset@font
4878   \normalsize
4879   \@minipagetrue
4880   \everypar{\@minipagefalse\everypar{}\beginL}%
4881 }
4882 \def\RTLbidityftesidenotemarginpar{%
4883   \ifhmode
4884     \@bsphack

```



```

4885 \floatpenalty -\@Mii
4886 \else
4887 \floatpenalty-\@Miii
4888 \fi
4889 \ifinner
4890 \@parmoderr
4891 \floatpenalty\z@
4892 \else
4893 \next\@currbox\@freelist{ }{}%
4894 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4895 {\floatpenalty\z@
4896 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4897 \fi
4898 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4899 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4900 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4901 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4902 \@xympar}
4903 \long\def\@RTLbidityftesidenoteympar#1{%
4904 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4905 \global\setbox\@currbox\copy\@marbox
4906 \@xympar}
4907 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4908 \global\setbox #1%
4909 \color@vbox
4910 \vtop{%
4911 \hsize\marginparwidth
4912 \@parboxrestore
4913 \@RTLbidityftesidenotemarginparreset
4914 #2%
4915 \@minipagefalse
4916 \outer@nobreak
4917 }%
4918 \color@endbox
4919 }
4920 \def \@RTLbidityftesidenotemarginparreset {%
4921 \reset@font
4922 \normalsize
4923 \@minipagetrue
4924 \everypar{\@minipagefalse\everypar{}\beginR}%
4925 }
4926 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4927 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
4928 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
4929 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4930 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
4931 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
4932 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4933 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
4934 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}

```




```

4935 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4936 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
4937 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
4938 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4939 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
4940 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
4941 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4942 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
4943 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
4944 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4945 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
4946 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
4947 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
4948 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
4949 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
4950 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4951 \newcommand{\@bidityftesidenote@margin@par}{%
4952   \setlength{\RaggedRightParindent}{0.5pc}%
4953   \setlength{\JustifyingParindent}{0.5pc}%
4954   \setlength{\parindent}{0.5pc}%
4955   \setlength{\parskip}{0pt}%
4956 }
4957 %%
4958 % Globally sets the length
4959 \ifundefined{gsetlength}{%
4960 \newcommand*{gsetlength}[2]{%
4961   \setlength{#1}{#2}%
4962   \global#1=#1\relax%
4963 }%
4964 }{}
4965
4966 %%
4967 % A function that removes leading and trailing spaces from the supplied macro.
4968 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4969 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
4970 % being trimmed of leading and trailing white space.
4971 \catcode\Q=3
4972 \def\@bidityftesidenote@trim@spaces#1{%
4973   % Use grouping to emulate a multi-token afterassignment queue
4974   \begingroup%
4975   % Put \toks 0 {' into the afterassignment queue
4976   \aftergroup\toks\aftergroup0\aftergroup{%
4977     % Apply \trimb to the replacement text of #1, adding a leading
4978     % \noexpand to prevent brace stripping and to serve another purpose
4979     % later.
4980     \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1\Q\Q}%
4981   % Transfer the trimmed text back into #1.
4982   \edef#1{\the\toks0}%
4983 }
4984 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to

```



```

4985% clean up any leftover bizarre Qs, and trim a leading space. In
4986% order for \trimc to work properly we need to put back a Q first.
4987\def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4988% Execute \vfuzz assignment to remove leading space; the \noexpand
4989% will now prevent unwanted expansion of a macro or other expandable
4990% token at the beginning of the trimmed text. The \endgroup will feed
4991% in the \aftergroup tokens after the \vfuzz assignment is completed.
4992\def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4993\catcode`\Q=11
4994%%
4995% Citations should go in the margin as sidenotes
4996
4997\RequirePackage{natbib}
4998\RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography environment
4999% Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5000\renewcommand\BR@b@bibitem[2] [] {%
5001  \ifthenelse{\isempty{#1}}{%
5002    {\BR@b@bibitem{#2}}%
5003    {\BR@b@bibitem[#1]{#2}}%
5004    \BR@c@bibitem{#2}%
5005  }
5006\bid@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
5007%%
5008% Normal \cite behavior
5009\newcounter{@bidityftesidenote@num@bibkeys}%
5010\newcommand{@bidityftesidenote@normal@cite}[2] [Opt]{%
5011  % Snag the last bibentry in the list for later comparison
5012  \let\@temp@last@bibkey\@empty%
5013  \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5014  \sidenote[] [#1]{%
5015    % Loop through all the bibentries, separating them with semicolons and spaces
5016    \normalsize\normalfont\@bidityftesidenote@citation@font%
5017    \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5018    \@for\@temp@bibkeyx:=#2\do{%
5019      \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
5020        {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5021         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5022         \bibentry{\@temp@bibkeyx}}%
5023        {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5024         \bibentry{\@temp@bibkeyx};\ }%
5025      \stepcounter{@bidityftesidenote@num@bibkeys}%
5026    }%
5027  }%
5028}
5029\newcommand{@bidityftelTRSidenote@normal@cite}[2] [Opt]{%
5030  % Snag the last bibentry in the list for later comparison
5031  \let\@temp@last@bibkey\@empty%
5032  \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5033  \LTRsidenote[] [#1]{%
5034    % Loop through all the bibentries, separating them with semicolons and spaces

```



```

5035 \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
5036 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5037 \@for\@temp@bibkeyx:=#2\do{%
5038   \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5039     {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5040     \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5041     \bibentry{\@temp@bibkeyx}}%
5042     {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5043     \bibentry{\@temp@bibkeyx};\ }%
5044   \stepcounter{@bidityftesidenote@num@bibkeys}%
5045   }%
5046 }%
5047 }
5048 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
5049   % Snag the last bibentry in the list for later comparison
5050   \let\@temp@last@bibkey\@empty%
5051   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5052   \RTLsidenote[] [#1]{%
5053     % Loop through all the bibentries, separating them with semicolons and spaces
5054     \normalsize\normalfont\@bidityftesidenote@citation@font%
5055     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5056     \@for\@temp@bibkeyx:=#2\do{%
5057       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5058         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5059         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5060         \bibentry{\@temp@bibkeyx}}%
5061         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5062         \bibentry{\@temp@bibkeyx};\ }%
5063       \stepcounter{@bidityftesidenote@num@bibkeys}%
5064       }%
5065     }%
5066   }
5067 %%
5068 % Macros for holding the list of cite keys until after the \sidenote
5069 \gdef\@bidityftesidenote@citations{}% list of cite keys
5070 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
5071   \ifx\@bidityftesidenote@citations\@empty\else
5072     \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
5073   \fi
5074   \g@addto@macro\@bidityftesidenote@citations{#1}
5075 }
5076 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
5077   % Snag the last bibentry in the list for later comparison
5078   \let\@temp@last@bibkey\@empty%
5079   \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5080   \marginpar{%
5081     \hbox{\vspace*{#1}%
5082     \@bidityftesidenote@citation@font%
5083     \@bidityftesidenote@citation@justification%
5084     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text

```



```

5085 \vspace*{-1\baselineskip}%
5086 % Loop through all the bibentries, separating them with semicolons and spaces
5087 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5088 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
5089   \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5090     {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5091       \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5092       \bibentry{\@temp@bibkeyx}}%
5093     {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5094       \bibentry{\@temp@bibkeyx};\ }%
5095   \stepcounter{@bidityftesidenote@num@bibkeys}%
5096 }%
5097 }%
5098 }
5099 %%
5100 % \cite behavior when executed within a sidenote
5101 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5102 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
5103   \@bidityftesidenote@add@citation{#1}
5104 }
5105 %%
5106 % Set the default \cite style. This is set and reset by the \sidenote command.
5107 \let\cite\@bidityftesidenote@normal@cite
5108 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
5109 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
5110 %%
5111 % Transform existing \footnotes into \sidenotes
5112 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
5113 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5114 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5115 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5116 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5117 % sidenote's text block.
5118 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}}
5119 % Set the in-text footnote mark in the same typeface as the body text itself.
5120 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}}
5121 \providecommand*\@multiplefootnotemark}{3sp}
5122 \providecommand*\@multifootsep}{,}
5123 \bidi@patch@AfterPackage{bidi}{%
5124 \renewcommand{\@footnotemark}{%
5125   \leavevmode%
5126   \ifhmode%
5127     \edef\@x@sf{\the\spacefactor}%
5128     \@bidityftesidenote@check@multiple@sidenotes%
5129     \nobreak%
5130   \fi%
5131   \@makefnmark%
5132   \ifhmode\spacefactor\@x@sf\fi%
5133   \relax%
5134 }%

```



```

5135 }
5136 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
5137   \ifdim\lastkern=\multiplefootnotemarker\relax%
5138     \edef\x@sf{\the\spacefactor}%
5139     \unkern%
5140     \textsuperscript{\multfootsep}%
5141     \spacefactor\x@sf\relax%
5142   \fi
5143 }
5144 \bidi@patch@AfterPackage{bidi}{%
5145   \renewcommand\@footnotetext[2][0pt]{%
5146     \bidityftesidenotemarginpar{%
5147       \hbox{} \vspace*{#1}%
5148       \def\baselinestretch {\setspace@singlespace}%
5149       \reset@font%
5150       \bidi@@footnotetext@font% \reset@font\footnotesize%
5151       \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5152       \vspace*{-1\baselineskip}\noindent%
5153       \protected@edef\@currentlabel{%
5154         \csname p@footnote\endcsname\@thefnmark%
5155       }%
5156       \color@begingroup%
5157         \@makefntext{%
5158           \ignorespaces#2%
5159         }%
5160       \color@endgroup%
5161     }%
5162   }%
5163   \renewcommand\@LTRfootnotetext[2][0pt]{%
5164     \LTRbidityftesidenotemarginpar{%
5165       \hbox{} \vspace*{#1}%
5166       \def\baselinestretch {\setspace@singlespace}%
5167       \reset@font%
5168       \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
5169       \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5170       \vspace*{-1\baselineskip}\noindent%
5171       \protected@edef\@currentlabel{%
5172         \csname p@footnote\endcsname\@thefnmark%
5173       }%
5174       \color@begingroup%
5175         \@makefntext{%
5176           \ignorespaces#2%
5177         }%
5178       \color@endgroup%
5179     }%
5180   }%
5181   \renewcommand\@RTLfootnotetext[2][0pt]{%
5182     \RTLbidityftesidenotemarginpar{%
5183       \hbox{} \vspace*{#1}%
5184       \def\baselinestretch {\setspace@singlespace}%

```



```

5185 \reset@font%
5186 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5187 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5188 \vspace*{-1\baselineskip}\noindent%
5189 \protected@edef\@currentlabel{%
5190     \csname p@footnote\endcsname\@thefnmark%
5191 }%
5192 \color@begingroup%
5193     \@makefnmark{%
5194         \ignorespaces#2%
5195     }%
5196 \color@endgroup%
5197 }%
5198 }%
5199 }
5200 %
5201 % Define \sidenote command. Can handle \cite.
5202 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5203 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5204 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5205 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5206     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5207     \gdef\@bidityftesidenote@citations{}% clear out any old citations
5208     \ifthenelse{\NOT\isempty{#2}}{%
5209         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5210     }{%
5211         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5212     }%
5213     \ifthenelse{\isempty{#1}}{%
5214         % no specific footnote number provided
5215         \stepcounter\@mpfn%
5216         \protected@xdef\@thefnmark{\thempfn}%
5217         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5218     }{%
5219         % specific footnote number provided
5220         \begingroup%
5221             \csname c@\@mpfn\endcsname #1\relax%
5222             \unrestored@protected@xdef\@thefnmark{\thempfn}%
5223         \endgroup%
5224         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5225     }%
5226     \@bidityftesidenote@print@citations% print any citations
5227     \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5228     \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5229     \let\RTLCcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLCcite
5230     \unskip\ignorespaces% remove extra white space
5231     \kern-\multiplefootnotemark% remove \kern left behind by sidenote
5232     \kern\multiplefootnotemark\relax% add new \kern here to replace the one we yanked
5233 }
5234 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%

```



```

5235 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5236 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5237 \ifthenelse{NOT\isempty{#2}}{%
5238   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5239 }{%
5240   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5241 }%
5242 \ifthenelse{\isempty{#1}}{%
5243   % no specific footnote number provided
5244   \stepcounter\@mpfn%
5245   \protected@xdef\@thefnmark{\thempfn}%
5246   \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5247 }{%
5248   % specific footnote number provided
5249   \begingroup%
5250     \csname c@\@mpfn\endcsname #1\relax%
5251     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5252   \endgroup%
5253   \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5254 }%
5255 \@bidityftesidenote@print@citations%             print any citations
5256 \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5257 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%   go back to using normal in-text \LTRcite
5258 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%   go back to using normal in-text \RTLcite
5259 \unskip\ignorespaces%                            remove extra white space
5260 \kern-\multiplefootnotemarker%                   remove \kern left behind by sidenote
5261 \kern\multiplefootnotemarker\relax%              add new \kern here to replace the one we yanked
5262 }
5263 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5264   \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5265   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5266   \ifthenelse{NOT\isempty{#2}}{%
5267     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5268   }{%
5269     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5270   }%
5271   \ifthenelse{\isempty{#1}}{%
5272     % no specific footnote number provided
5273     \stepcounter\@mpfn%
5274     \protected@xdef\@thefnmark{\thempfn}%
5275     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5276   }{%
5277     % specific footnote number provided
5278     \begingroup%
5279       \csname c@\@mpfn\endcsname #1\relax%
5280       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5281     \endgroup%
5282     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5283   }%
5284   \@bidityftesidenote@print@citations%             print any citations

```



```

5285 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5286 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5287 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTLcite
5288 \unskip\ignorespaces%                          remove extra white space
5289 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
5290 \kern\multiplefootnotemarker\relax%              add new \kern here to replace the one we yanked
5291 }
5292 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5293 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
5294 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
5295 \bidi@patch@AfterPackage{bidi}{%
5296 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5297 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5298 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
5299 }
5300 %%
5301 % Sidenote without the footnote mark
5302 \newcommand\marginnote[2] [Opt]{%
5303 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5304 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5305 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@font
5306 \@bidityftesidenote@print@citations%            print any citations
5307 \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5308 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5309 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTLcite
5310 }
5311 \newcommand\LTRmarginnote[2] [Opt]{%
5312 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5313 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5314 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@font
5315 \@bidityftesidenote@print@citations%            print any citations
5316 \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5317 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5318 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTLcite
5319 }
5320 \newcommand\RTLmarginnote[2] [Opt]{%
5321 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5322 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5323 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@font
5324 \@bidityftesidenote@print@citations%            print any citations
5325 \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5326 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5327 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTLcite
5328 }

```

23 File bidityfttetoc.sty

```

5329 \NeedsTeXFormat{LaTeX2e}
5330 \ProvidesPackage{bidityfttetoc}[2011/06/17 v0.1
5331 bidi implementation of tufte toc]

```




```

5332 \RequirePackage{titlesec,titletoc,xifthen,biditools}
5333 \newcommand{\@bidityfttoc@pkgname}{bidityfttoc}
5334 \newcommand{\bidityfttocError}[2]{\PackageError{\@bidityfttoc@pkgname}{#1}{#2}}
5335 %%
5336 % Turn off section numbering
5337 \setcounter{secnumdepth}{-1}
5338 \newboolean{@bidityfttoc@toc}
5339 \setboolean{@bidityfttoc@toc}{true}
5340 \DeclareOption{notoc}{\setboolean{@bidityfttoc@toc}{false}}
5341 \DeclareOption{toc}{\setboolean{@bidityfttoc@toc}{true}}
5342 \ProcessOptions
5343 %%
5344 % Make Tuftian-style section headings and TOC formatting
5345 \bidityftpatch@AfterPackage{bidity}{%
5346 \titleformat{\chapter}%
5347   [display]% shape
5348   {\relax\ifthenelse{\NOT\boolean{@bidityftfloat@symmetric}}{\begin{fullwidth}}{}}% format applied to label+text
5349   {\itshape\huge\thechapter}% label
5350   {0pt}% horizontal separation between label and title body
5351   {\huge\rmfamily\itshape}% before the title body
5352   [\ifthenelse{\NOT\boolean{@bidityftfloat@symmetric}}{\end{fullwidth}}{}}% after the title body
5353 \titleformat{\section}%
5354   [hang]% shape
5355   {\normalfont\Large\itshape}% format applied to label+text
5356   {\thesection}% label
5357   {1em}% horizontal separation between label and title body
5358   {}% before the title body
5359   []% after the title body
5360 \titleformat{\subsection}%
5361   [hang]% shape
5362   {\normalfont\large\itshape}% format applied to label+text
5363   {\thesubsection}% label
5364   {1em}% horizontal separation between label and title body
5365   {}% before the title body
5366   []% after the title body
5367 \titleformat{\paragraph}%
5368   [runin]% shape
5369   {\normalfont\itshape}% format applied to label+text
5370   {\theparagraph}% label
5371   {1em}% horizontal separation between label and title body
5372   {}% before the title body
5373   []% after the title body
5374 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5375 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5376 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5377 }
5378 % Subsubsection and following section headings shouldn't be used.
5379 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5380 \renewcommand\subsubsection{%
5381   \bidityfttocError{\noexpand\subsubsection is undefined by this class.%

```



```

5382 \MessageBreak See Robert Bringhurst's _The Elements of
5383 \MessageBreak Typographic Style_, section 4.2.2.
5384 \MessageBreak \noexpand\subsubsection was used}
5385 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5386 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5387 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5388 }
5389 \renewcommand\subparagraph{%
5390 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
5391 \MessageBreak See Robert Bringhurst's _The Elements of
5392 \MessageBreak Typographic Style_, section 4.2.2.
5393 \MessageBreak \noexpand\subparagraph was used}
5394 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5395 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5396 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5397 }
5398 % Formatting for main TOC (printed in front matter)
5399 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5400 \ifthenelse{\boolean{@biditytetoc@toc}}{%
5401 \bidity@patch@AfterPackage{bidi}{%
5402 \titlecontents{part}% FIXME
5403 [Oem] % distance from left margin
5404 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5405 {\contentslabel{2em}} % before w/label (label = ``II'')
5406 {} % before w/o label
5407 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5408 [\end{fullwidth}] % after
5409 \titlecontents{chapter}%
5410 [Oem] % distance from left margin
5411 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5412 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5413 {\hspace*{0em}} % before w/o label
5414 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5415 [\end{fullwidth}] % after
5416 \titlecontents{section}% FIXME
5417 [Oem] % distance from left margin
5418 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5419 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5420 {\hspace*{2em}} % before w/o label
5421 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5422 [\end{fullwidth}] % after
5423 \titlecontents{subsection}% FIXME
5424 [Oem] % distance from left margin
5425 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5426 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5427 {\hspace*{4em}} % before w/o label
5428 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5429 [\end{fullwidth}] % after
5430 \titlecontents{paragraph}% FIXME
5431 [Oem] % distance from left margin

```



```

5432 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global for
5433 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5434 {\hspace*{6em}} % before w/o label
5435 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5436 [\end{fullwidth}] % after
5437 }%
5438 {}
5439 %%
5440 % Format lists of figures/tables
5441 \renewcommand\listoffigures{%
5442   \@ifundefined{chapter}%
5443     {\section*{\listfigurename}}%
5444     {\chapter*{\listfigurename}}%
5445 % \begin{fullwidth}%
5446   \@starttoc{lof}%
5447 % \end{fullwidth}%
5448 }
5449 \renewcommand\listoftables{%
5450   \@ifundefined{chapter}%
5451     {\section*{\listtablename}}%
5452     {\chapter*{\listtablename}}%
5453 % \begin{fullwidth}%
5454   \@starttoc{lot}%
5455 % \end{fullwidth}%
5456 }
5457 \newcommand{\@bidityfttoc@lof@line}[2]{%
5458   % #1 is the figure/table number and its caption text
5459   % #2 is the page number on which the figure/table appears
5460   \leftskip 0.0em
5461   \rightskip 0em
5462   \parfillskip 0em plus 1fil
5463   \parindent 0.0em
5464   \@afterindenttrue
5465   \interlinepenalty\@M
5466   \leavevmode
5467   \@tempdima 2.0em
5468   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5469   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5470   {#1}\nobreak\qquad\nobreak#2%
5471   \par%
5472 }
5473 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5474 \let\l@table\l@figure

```

24 File bidityftgeneralstructure.sty

```

5475 \NeedsTeXFormat{LaTeX2e}
5476 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5477 bidi implementation of tufte general structure]
5478 \renewcommand\small{%

```



```

5479 \@setfontsize\small\@ixpt{12}%
5480 \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5481 \abovedisplayshortskip \z@ \@plus2\p@
5482 \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5483 \def\@listi{\leftmargin\leftmargini
5484             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5485             \parsep 2\p@ \@plus\p@ \@minus\p@
5486             \itemsep \parsep}%
5487 \belowdisplayskip \abovedisplayskip
5488 }
5489 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5490 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5491 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5492 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
5493 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5494 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5495 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5496 \setlength\leftmargini {1pc}
5497 \setlength\leftmarginii {1pc}
5498 \setlength\leftmarginiii {1pc}
5499 \setlength\leftmarginiv {1pc}
5500 \setlength\leftmarginv {1pc}
5501 \setlength\leftmarginvi {1pc}
5502 \setlength\labelsep {.5pc}
5503 \setlength\labelwidth {\leftmargini}
5504 \addtolength\labelwidth{-\labelsep}
5505 \setlength{\parindent}{1.0pc}%
5506 \setlength{\parskip}{0pt}%
5507 \RequirePackage{ragged2e}
5508 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5509 % Paragraph indentation and separation for normal text
5510 \newcommand{\@bidityftgeneralstructure@reset@par}{%
5511 \setlength{\RaggedRightParindent}{1.0pc}%
5512 \setlength{\JustifyingParindent}{1.0pc}%
5513 \setlength{\parindent}{1pc}%
5514 \setlength{\parskip}{0pt}%
5515 }
5516 \@bidityftgeneralstructure@reset@par
5517 % Require paralist package for tighter lists
5518 \RequirePackage{paralist}
5519 % Add rightmargin to compactenum
5520 \def\@compactenum{%
5521 \expandafter\list\csname label\@enumctr\endcsname{%
5522 \usecounter{\@enumctr}%
5523 \rightmargin=2em% added this
5524 \parsep\plparsep
5525 \itemsep\plitemsep
5526 \topsep\pltopsep
5527 \partopsep\plpartopsep
5528 \def\makelabel##1{\hss\llap{##1}}}}

```



```

5529%%
5530% An environment for paragraph-style section
5531\providecommand\newthought[1]{%
5532  \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5533  \noindent\textbf{#1}%
5534}
5535%%
5536% Redefine the display environments (quote, quotation, etc.)
5537\renewenvironment{verse}
5538  {\let\\ \@centercr
5539   \list{}{\itemsep \z@
5540    \itemindent -1pc%
5541    \listparindent\itemindent
5542    \rightmargin \leftmargin
5543    \advance\leftmargin 1pc}%
5544   \small%
5545   \item\relax}
5546  {\endlist}
5547\renewenvironment{quotation}
5548  {\list{}{\listparindent 1pc%
5549   \itemindent \listparindent
5550   \rightmargin \leftmargin
5551   \parsep \z@ \@plus\p@}%
5552   \small%
5553   \item\relax\noindent\ignorespaces}
5554  {\endlist}
5555\renewenvironment{quote}
5556  {\list{}{\rightmargin\leftmargin}%
5557   \small%
5558   \item\relax}
5559  {\endlist}
5560% Italicize description run-in headings (instead of the default bold)
5561\renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5562%%
5563% Redefine \bibsection to not mark the running heads.
5564% (Code modified from natbib.sty.)
5565\@ifundefined{chapter}%
5566  {\renewcommand\bibsection{\section*{\refname}}}
5567  {\@ifundefined{NAT@sectionbib}%
5568   {\renewcommand\bibsection{\chapter{\bibname}}}
5569   {\renewcommand\bibsection{\section*{\bibname}}}}
5570\RequirePackage{multicol}
5571\renewenvironment{theindex}{%
5572\@ifundefined{chapter}%
5573  {\section*{\indexname}}%
5574  {\chapter{\indexname}}%
5575  \begin{fullwidth}%
5576  \small%
5577  \parskip0pt%
5578  \parindent0pt%

```



```

5579 \let\item\@idxitem%
5580 \begin{multicols}{3}%
5581 }{%
5582 \end{multicols}%
5583 \end{fullwidth}%
5584 }
5585 \AtBeginDocument{%
5586 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5587 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5588 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5589 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5590 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

25 File `bidituftehyperref.sty`

```

5591 \NeedsTeXFormat{LaTeX2e}
5592 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5593 bidi implementation of tufte hyperref]
5594 %%
5595 % Color
5596 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5597 \newboolean{@bidituftehyperref@loadhyper}
5598 \setboolean{@bidituftehyperref@loadhyper}{true}
5599 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5600 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
5601 \ProcessOptions
5602 %% Loads the hyperref package and sets some default options.
5603 \newcommand{\bidituftehyperrefLoadHyperref}{%
5604 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5605 \hypersetup{%
5606   bookmarksdepth = section,
5607   citecolor = DarkGreen,
5608   linkcolor = DarkBlue,
5609 %   pagecolor = DarkBlue,
5610   urlcolor = DarkGreen,
5611 }%
5612 }
5613 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
5614 \bidituftehyperrefLoadHyperref%
5615 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5616 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5617 }

```

26 File `bidituftetitle.sty`

```

5618 \NeedsTeXFormat{LaTeX2e}
5619 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
5620 bidi implementation of tufte title]
5621 \RequirePackage{biditools}
5622 %%

```



```

5623 % `titlepage' option -- creates a full title page with \maketitle
5624 \newboolean{@bidityttitle@titlepage}
5625 \DeclareOption{titlepage}{\setboolean{@bidityttitle@titlepage}{true}}
5626 \DeclareOption{notitlepage}{\setboolean{@bidityttitle@titlepage}{false}}
5627 % Default `book' and `handout' options
5628 \@ifclassloaded{book}{%
5629 \ExecuteOptions{titlepage}}{%
5630 \@ifclassloaded{article}{%
5631 \ExecuteOptions{notitlepage}}%
5632 {}}
5633 \ProcessOptions
5634 %%
5635 % Modified \title, \author, and \date commands. These store the
5636 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
5637 \newcommand{\plaintitle}{}% plain-text-only title
5638 \newcommand{\plainauthor}{}% plain-text-only author
5639 \newcommand{\plainpublisher}{}% plain-text-only publisher
5640 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5641 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5642 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5643 \newcommand{@publisher}{}% full publisher with \thanks{}
5644 \newcommand{\thedata}{\today}
5645 \bidi@patch@AfterPackage{bidi}{%
5646 \renewcommand{\thanks}[1]{\footnote{#1}}
5647 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5648 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5649 }
5650 \renewcommand{\title}[2][]{%
5651 \gdef@title{#2}%
5652 \begingroup%
5653 % TODO store contents of \thanks command
5654 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5655 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5656 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5657 \protected@xdef\thanklesstitle{#2}%
5658 \endgroup%
5659 \ifthenelse{\isempty{#1}}%
5660 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5661 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5662 \@ifundefined{hypersetup}%
5663 {}% hyperref is not loaded; do nothing
5664 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5665 }
5666 \let@author@empty% suppress default latex.ltx ``no author' warning
5667 \renewcommand{\author}[2][]{%
5668 \ifthenelse{\isempty{#2}}{}{\gdef@author{#2}}%
5669 \begingroup%
5670 % TODO store contents of \thanks command
5671 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5672 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents

```



```

5673 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5674 \protected@xdef\thanklessauthor{#2}%
5675 \endgroup%
5676 \ifthenelse{\isempty{#1}}%
5677 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5678 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5679 \@ifundefined{hypersetup}%
5680 {}% hyperref is not loaded; do nothing
5681 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5682 }
5683 \renewcommand{\date}[1]{%
5684 \gdef\@date{#1}%
5685 \begingroup%
5686 % TODO store contents of \thanks command
5687 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5688 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5689 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5690 \protected@xdef\thedata{#1}%
5691 \endgroup%
5692 }
5693 %%
5694 % Provides a \publisher command to set the publisher
5695 \newcommand{\publisher}[2][{}]{%
5696 \gdef\@publisher{#2}%
5697 \begingroup%
5698 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5699 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5700 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5701 \protected@xdef\thanklesspublisher{#2}%
5702 \endgroup%
5703 \ifthenelse{\isempty{#1}}%
5704 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5705 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5706 }
5707 %%
5708 % Produces a full title page
5709 \newcommand{\maketitlepage}[0]{%
5710 \cleardoublepage%
5711 {%
5712 \bfseries%
5713 \begin{fullwidth}%
5714 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5715 \vspace{11.5pc}%
5716 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5717 \vfill%
5718 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5719 \end{fullwidth}%
5720 }
5721 \thispagestyle{empty}%
5722 \clearpage%

```




```

5723 }
5724 %%
5725 % Title block
5726 \bidi@AfterEndPreamble{%
5727 \renewcommand{\maketitle}{%
5728 \newpage%
5729 \global\@topnum\z@% prevent floats from being placed at the top of the page
5730 \begingroup%
5731 \setlength{\parindent}{0pt}%
5732 \setlength{\parskip}{4pt}%
5733 \let\@title\@empty%
5734 \let\@author\@empty%
5735 \let\@date\@empty%
5736 \gdef\@title{\LARGE\itshape\@title\par}%
5737 \gdef\@author{\Large\itshape\@author\par}%
5738 \gdef\@date{\Large\itshape\@date\par}%
5739 \@title%
5740 \@author%
5741 \@date%
5742 \endgroup%
5743 \thispagestyle{plain}% suppress the running head
5744 }%
5745 }
5746 %%
5747 % Title page (if the `titlepage' option was passed to the biditytetitle-handout
5748 % class.)
5749 \bidi@AfterEndPreamble{%
5750 \ifthenelse{\boolean{@biditytetitle@titlepage}}{
5751 {\renewcommand{\maketitle}{\maketitlepage}}
5752 {}
5753 }
5754 %%
5755 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5756 % without headers and footers
5757 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5758 \hbox{}
5759 %\vspace*{\fill}
5760 %\begin{center}
5761 % This page intentionally contains only this sentence.
5762 %\end{center}
5763 %\vspace{\fill}
5764 \thispagestyle{empty}
5765 \newpage
5766 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

27 File biditytfe-handout.cls

```

5767 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5768 \ProvidesClass{biditytfe-handout}[2011/06/18 v0.1 biditytfe-handout class]
5769 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}

```



```

5770 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5771 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5772 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5773 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5774 \ProcessOptions\relax
5775 \LoadClass{article}
5776 \RequirePackage{bidituftefloat}
5777 \RequirePackage{bidituftesidenote}
5778 \RequirePackage{bidituftetoc}
5779 \RequirePackage{bidituftegeneralstructure}
5780 \RequirePackage{bidituftehyperref}
5781 \RequirePackage{bidituftetitle}
5782 \renewenvironment{abstract}
5783   {\begin{quotation}}
5784   {\end{quotation}}
5785 \AtBeginDocument{%
5786 \IfFileExists{biditufte-handout.cfg}
5787   {\input{biditufte-handout.cfg}
5788    \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5789   {}%
5790 }

```

28 File biditufte-book.cls

```

5791 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5792 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5793 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5794 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5795 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5796 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5797 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5798 \ProcessOptions\relax
5799 \LoadClass{book}
5800 \RequirePackage{bidituftefloat}
5801 \RequirePackage{bidituftesidenote}
5802 \RequirePackage{bidituftetoc}
5803 \RequirePackage{bidituftegeneralstructure}
5804 \RequirePackage{bidituftehyperref}
5805 \RequirePackage{bidituftetitle}
5806 %%
5807 % Set up any book-specific stuff now
5808 %%
5809 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5810 % to the opening page of Chapter 1. The running heads, when they appear,
5811 % contain only the (arabic) page number in the outside corner.
5812 %\newif\if@mainmatter \@mainmattertrue
5813 \renewcommand\frontmatter{%
5814   \cleardoublepage%
5815   \@mainmatterfalse%
5816   \pagenumbering{arabic}%

```



```

5817 %\pagestyle{plain}%
5818 \fancyhf{}%
5819 \ifthenelse{\boolean{@biditytfloat@twoside}}%
5820 {\fancyhead[LE,RO]{\thepage}}%
5821 {\fancyhead[RE,RO]{\thepage}}%
5822 }
5823 %%
5824 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5825 % numbering---it continues where it left off in the front matter.
5826 \renewcommand\mainmatter{%
5827 \cleardoublepage%
5828 \@mainmattertrue%
5829 \fancyhf{}%
5830 \ifthenelse{\boolean{@biditytfloat@twoside}}%
5831 {\renewcommand\chaptermark}[1]{\markboth{##1}{}}%
5832 {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5833 {\fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title
5834 {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5835 }
5836 %%
5837 % The back matter contains appendices, indices, glossaries, endnotes,
5838 % bibliographies, list of contributors, illustration credits, etc.
5839 \renewcommand\backmatter{%
5840 \if@openright%
5841 \cleardoublepage%
5842 \else%
5843 \clearpage%
5844 \fi%
5845 \@mainmatterfalse%
5846 }
5847 %%
5848 % Only show the chapter titles in the table of contents
5849 \setcounter{tocdepth}{0}
5850 \AtBeginDocument{%
5851 \IfFileExists{biditytfloat-book.cfg}
5852 {\input{biditytfloat-book.cfg}}
5853 \ClassInfo{biditytfloat-book}{Loading biditytfloat-book configuration file \@gobble}}
5854 {}%
5855 }

```

29 File bidipoem.sty

```

5856 \NeedsTeXFormat{LaTeX2e}
5857 \ProvidesPackage{bidipoem}%
5858 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5859
5860 % Usage:
5861 %
5862 % \Setversedim #1#2 % define the layout (within a group):
5863 % #1 = length of both half-verses

```



```

5864% #2 = separation distance = length of a connection, if present
5865% Variant:
5866% \Setversedim #1[#2]#3 % for half-verses of unequal length
5867% #1 = length of first (=right) half-verse
5868% #2 = length of second (=left) half-verse
5869% #3 = separation distance = length of a connection, if present
5870%
5871% \traditionalhalfverses #1#2 % typeset two separated half-verses
5872% #1 = text of first (=right) half-verse
5873% #2 = text of second (=left) half-verse
5874% Variant:
5875% \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5876% #1 = text of first (=right) half-verse
5877% #2 = text of connection
5878% #3 = text of second (=left) half-verse
5879%
5880% Alternative (if preferred):
5881%
5882% \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5883
5884
5885\newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5886
5887% define the layout, verses will be centered
5888
5889\newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5890\newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5891
5892\newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5893\bidipoem@hvind \textwidth
5894\bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5895\ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5896\bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5897
5898\def \bidipoem@set@verseI [#1]{% optional parameter
5899\bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5900
5901\newcommand*{\bidipoem@set@@verse}[1]{% separation
5902\advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5903\advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5904
5905\newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5906\ifdim Opt > \bidipoem@hvind %
5907\bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
5908\else
5909\noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5910\bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5911\bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5912\par }
5913

```



```

5914 % macro for two half verses
5915 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5916 \ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
5917 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5918 \bidipoem@half@verses@next}
5919
5920 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5921 \traditionalconnverses {#1}{#2}{#3}}
5922
5923
5924 {\catcode\^^M=\active % these lines must end with %
5925 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5926 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5927 {\catcode\^^M=\active % these lines must end with %
5928 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5929 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5930 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5931 \def\poemmarginskip{1em plus 1fil minus 1em}
5932 \def\poemextrabaselineskip{0\baselineskip}
5933 \def\poemskip{\medskip}
5934 \newcommand{\bidipoem@openbox}{\leavevmode
5935 \hbox to.77778em{%
5936 \hfil\vrule
5937 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5938 \vrule\hfil}}
5939 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5940 \newdimen\versewidth
5941 \newtoks\bidipoem@p@ftn
5942 \def\poem@verse#1{%
5943 \ifdim\wd#1>\new@poem@width
5944 \xdef\new@poem@width{\the\wd#1}%
5945 \ifdim\new@poem@width>\poem@width
5946 \xdef\poem@width{\new@poem@width}%
5947 \global\let\poem@needrun\relax
5948 \fi
5949 \fi
5950 \hbox to\poem@width{\unhbox#1}%
5951 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5952 }
5953 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmarginskip\relax}
5954 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
5955 \def\poem@lineversesep{%
5956 \nobreak
5957 \hskip\z@ plus 1filll%
5958 \penalty600%
5959 \hskip\poemcolsepskip
5960 \hskip\z@ plus -2filll%
5961 \vadjust{}}%
5962 \nobreak
5963 \hskip\z@ plus 1filll%

```



```

5964 }
5965 \def\poem@lineparsebegin{%
5966 \halign\bgroup
5967 \global\setbox\verse@i=\hbox{%
5968 \let\@footnotetext\bidipoem@p@ftntext%
5969 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5970 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5971 \let\@xfootnotenext\bidipoem@p@xftntext%
5972 \let\@xfootnote\bidipoem@p@xfootnote%
5973 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5974 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5975 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5976 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5977 \ignorespaces##\unskip}&&
5978 \global\setbox\verse@ii=\hbox{%
5979 \let\@footnotetext\bidipoem@p@ftntext%
5980 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5981 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5982 \let\@xfootnotenext\bidipoem@p@xftntext%
5983 \let\@xfootnote\bidipoem@p@xfootnote%
5984 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5985 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5986 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5987 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5988 \ignorespaces##\unskip}
5989 \cr
5990 }
5991 \def\poem@lineparseend{%
5992 \crr\egroup
5993 \vskip-\baselineskip
5994 }
5995 \def\traditionalpoem@cr{%
5996 \cr\poem@line
5997 }
5998 \newbox\verse@i
5999 \newbox\verse@ii
6000 \newif\ifpoem@started
6001
6002 \def\poem@line{%
6003 \poem@lineparseend
6004 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6005 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6006 \ifpoem@started
6007 \ifdim\wd\verse@ii>\z@\else
6008 \nopagebreak[3]
6009 \fi
6010 \leavevmode
6011 \poem@linebegin
6012 \poem@verse\verse@i
6013 \ifdim\wd\verse@ii>\z@

```



```

6014 \poem@lineversesep
6015 \poem@verse\verse@ii
6016 \fi
6017 \poem@lineend
6018 % \nepagebreak
6019 \par
6020 \vskip\poemextrabaselineskip
6021 \fi
6022 \poem@lineparsebegin
6023 }
6024 \def\@traditionalpoem{%
6025 \stepcounter{poem@no}
6026 \ifnum\max@poem@no<\number\c@poem@no%
6027 \xdef\poem@width{\z@}%
6028 \else
6029 \xdef\poem@width{\poem@prop{poem@width}}%
6030 \fi
6031 \xdef\new@poem@width{\z@}%
6032 \global\versewidth=\poem@width
6033 \poemskip\par
6034 \begingroup
6035 \tabskip=\z@
6036 \parskip=\z@
6037 \parindent=\z@
6038 \parfillskip=\z@
6039 \rightskip=\z@
6040 \leftskip=\z@
6041 \widowpenalty=10000% No break between verses of the same line.
6042 \clubpenalty=10000% Same as above. Not really needed.
6043 \def\newblock{\hfil\poemblocksep\hfil\null}%
6044 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6045 \def\{\{\global\poem@startedtrue\traditionalpoem@cr}%
6046 \global\poem@startedfalse
6047 \csname poem@obeylines\endcsname
6048 \let\poem@obeylines\relax
6049 \poem@lineparsebegin
6050 }
6051 \def\@endtraditionalpoem{%
6052 \cr
6053 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6054 \noalign{%
6055 \skip0=\poemextrabaselineskip
6056 \vskip-\skip0
6057 \vskip-\baselineskip
6058 }%
6059 \fi\fi
6060 \poem@lineparseend
6061 \endgroup
6062 \par
6063 \vskip\baselineskip

```



```

6064 \poemskip
6065 \if@noparlist \else
6066 \ifdim\lastskip >\z@
6067 \@tempskipa\lastskip \vskip -\lastskip
6068 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6069 \vskip\@tempskipa
6070 \fi
6071 \@endparenv
6072 \fi
6073 \ifdim\new@poem@width<\poem@width
6074 \global\let\poem@needrun\relax
6075 \fi
6076 \poem@write@aux{\poem@width@romannumeral\c@poem@no}{\new@poem@width}%
6077 \ifx\AtEndDocument\undefined\poem@finish\fi
6078 }
6079
6080
6081 \long\def\bidipoem@p@ftntext#1{%
6082 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
6083 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
6084 \long\def\bidipoem@p@LTRftntext#1{%
6085 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6086 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6087 \long\def\bidipoem@p@RTLftntext#1{%
6088 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6089 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
6090
6091 \long\def\bidipoem@p@xftntext[#1]#2{%
6092 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6093
6094 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6095 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
6096
6097 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6098 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
6099
6100 \def\bidipoem@p@xfootnote[#1]{%
6101 \begingroup
6102 \csname c@\@mpfn\endcsname #1\relax
6103 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6104 \endgroup
6105 \@footnotemark\bidipoem@p@xftntext[#1]}
6106
6107 \def\bidipoem@p@xLTRfootnote[#1]{%
6108 \begingroup
6109 \csname c@\@mpfn\endcsname #1\relax
6110 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6111 \endgroup
6112 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6113

```




```

6114 \def\bidipoem@p@xRTLfootnote[#1]{%
6115   \begingroup
6116     \csname c@{\mpfn}\endcsname #1\relax
6117     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6118   \endgroup
6119   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6120
6121
6122
6123 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6124 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
6125 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6126 \def\poem@finish{%
6127 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6128 \ifx\poem@needrun\relax
6129 \PackageWarning{bidipoem}{Unjustified poem.  Rerun XeLaTeX to get poem right}%
6130 \global\let\poem@needrun\undefined
6131 \fi
6132 }
6133 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6134 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6135 \ifx\max@poem@no\undefined
6136   \def\max@poem@no{0}%
6137 \fi
6138 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
6139 \newcommand{\poem@write@aux}[2]{%
6140   \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6141   \@x
6142 }
6143 \def\@modernpoem{%
6144 \par
6145 \begingroup
6146 \parskip=\z@
6147 \parindent=\z@
6148 \def\[{ \@settab\@tabplus\ignorespaces}%
6149 \def\]{ \@tabminus\ignorespaces}%
6150 \def\newblock{\poemblocksep}%
6151 \let\newpoem@tabcr\@tabcr
6152 \def\modernpoem@par{% Redefine \par for possible \obeylines
6153   \ifpoem@started\else
6154     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6155       \@stopfield
6156       \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6157       \@contfield
6158     \fi
6159   \fi
6160   \ifpoem@started\newpoem@tabcr\fi}%
6161 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6162 \global\poem@startedfalse
6163 \csname poem@obeylines\endcsname

```



```

6164 \let\poem@obeylines\relax
6165 \begin{tabbing}%
6166 }
6167 \def\@endmodernpoem{%
6168 \global\poem@startedfalse
6169 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6170   \@stopfield
6171   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6172   \@contfield
6173 \fi
6174 \ifpoem@started\else\let\@stopline\@stopfield\fi
6175 \end{tabbing}%
6176 \endgroup
6177 \par
6178   \if@nparlist \else
6179     \ifdim\lastskip >\z@
6180       \@tempskipa\lastskip \vskip -\lastskip
6181       \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6182       \vskip\@tempskipa
6183     \fi
6184     \@endparenv
6185   \fi
6186 }
6187 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6188 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@obeylines}
6189 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6190 \gdef\@startfield{%
6191 \global\setbox\@curfield\hbox\bgroup%
6192 \let\@footnotetext\bidipoem@p@ftntext%
6193 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6194 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6195 \let\@xfootnotenext\bidipoem@p@xftntext%
6196 \let\@xfootnote\bidipoem@p@xfootnote%
6197 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6198 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6199 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6200 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6201 \color@begingroup}
6202 \gdef\@stopfield{%
6203   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6204 \gdef\@contfield{%
6205 \global\setbox\@curfield\hbox\bgroup%
6206 \let\@footnotetext\bidipoem@p@ftntext%
6207 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6208 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6209 \let\@xfootnotenext\bidipoem@p@xftntext%
6210 \let\@xfootnote\bidipoem@p@xfootnote%
6211 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6212 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6213 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%

```



```

6214 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6215 \color@begingroup\unhbox\@curfield}

```

30 File boek3-xetex-bidi.def

```

6216 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6217 \renewenvironment{theindex}{%
6218   \if@twocolumn
6219     \@restonecolfalse
6220   \else
6221     \@restonecoltrue
6222   \fi
6223   \columnseprule \z@
6224   \columnsep 35\p@
6225   \twocolumn[\@makeschapterhead{\indexname}]%
6226   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6227   \thispagestyle{plain}\parindent\z@
6228   \parskip\z@ \@plus .3\p@\relax
6229   \let\item\@idxitem
6230 }{%
6231   \if@restonecol\onecolumn\else\clearpage\fi}
6232 \renewcommand*{\head@style}{%
6233   \interlinepenalty \@M
6234   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6235   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6236 \renewcommand*{\regtocline}[3]{%
6237   \ifnum #1>\c@tocdepth
6238   \else
6239     \vskip\z@ \@plus.2\p@
6240     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6241       \if@RTL\rightskip\else\leftskip\fi\unitindent
6242       \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6243       \parfillskip\z@
6244       \@tempdima\unitindent
6245       \parindent\z@
6246       \leavevmode
6247       \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6248       \hskip 1em \nobreak{\slshape #3}\par
6249     }%
6250   \fi}
6251 \if@oldtoc
6252 \renewcommand*{\l@part}[2]{%
6253   \ifnum \c@tocdepth >-2\relax
6254     \addpenalty{-\@highpenalty}%
6255     \addvspace{2.25em \@plus\p@}%
6256     \begingroup
6257       \setlength{\@tempdima}{3em}%
6258       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6259       \parfillskip -\@pnumwidth
6260       {\leavevmode

```



```

6261      \large \bfseries #1\hfil \hb@xt@{\@pnumwidth{\hss #2}}\par
6262      \nobreak
6263      \global\@nobreaktrue
6264      \everypar{\global\@nobreakfalse\everypar{}}%
6265      \endgroup
6266    \fi}
6267  \else
6268    \renewcommand*\l@part{%
6269      \ifnum \c@tocdepth >-2\relax
6270        \addpenalty{-\@highpenalty}%
6271        \addvspace{2.25em \@plus \p@}%
6272        \regtocline{0}%
6273      \fi}
6274  \fi
6275  \if@oldtoc
6276    \renewcommand*\l@chapter[2]{%
6277      \addpenalty{-\@highpenalty}%
6278      \vskip 1.0em \@plus\p@
6279      \setlength\@tempdima{1.5em}%
6280      \begingroup
6281      \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6282      \parfillskip -\@pnumwidth
6283      \leavevmode \bfseries
6284      \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6285      \hskip -\if@RTL\rightskip\else\leftskip\fi
6286      #1\nobreak\hfil \nobreak\hb@xt@{\@pnumwidth{\hss #2}}\par
6287      \penalty\@highpenalty
6288    \endgroup}
6289  \else
6290    \renewcommand*\l@chapter{\@regtocline{0}}
6291  \fi
6292  \renewenvironment{abstract}{%
6293    \titlepage
6294    \null\vfil
6295    \section*{\SectFont \abstractname}
6296    \noindent\ignorespaces
6297    {\par\vfil\null\endtitlepage}
6298  \renewenvironment{thebibliography}[1]
6299    {\chapter*{\bibname}%
6300     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6301     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6302     \bidi@thebibliography@font@hook%
6303     \list{\@biblabel{\@arabic\c@enumiv}}{%
6304       {\settowidth\labelwidth{\@biblabel{#1}}%
6305        \leftmargin\labelwidth
6306        \advance\leftmargin\labelsep
6307        \@openbib@code
6308        \usecounter{enumiv}%
6309        \let\p@enumiv\@empty
6310        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%

```



```

6311      \sloppy\clubpenalty4000\widowpenalty4000%
6312      \sfcode`.\@m}
6313      {\def\@noitemerr
6314      {\@latex@warning{Empty `thebibliography' environment}}}%
6315      \endlist}
6316 \renewcommand*\left@footnoterule{%
6317   \kern-3\p@
6318   \kern.5\baselineskip
6319   \hrule\@width\unitindent
6320   \kern.4\baselineskip
6321 }
6322 \renewcommand*\right@footnoterule{%
6323   \kern-3\p@
6324   \kern.5\baselineskip
6325   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6326   \kern.4\baselineskip}
6327 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6328 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6329 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6330 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6331 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6332 \renewcommand*\theequation{%
6333   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6334 \renewcommand*\thefigure{%
6335   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6336 \renewcommand*\thetable{%
6337   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6338 \renewcommand*\maketitle{%
6339   \begin{titlepage}%
6340     \let\footnotesize\small
6341     \let\right@footnoterule\relax
6342     \let\left@footnoterule\relax
6343     \let\textwidth\footnoterule\relax
6344     \let \footnote \thanks
6345     \long\def\@makefnmark##1{\parindent\z@
6346       \def\labelitemi{\textendash}\@revlabeltrue
6347       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6348     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6349     \if@compatibility\setcounter{page}{0}\fi
6350     \null\vfil
6351     \vskip 60\p@
6352     \begin{center}%
6353       \TitleFont
6354       {\LARGE \def\\{\penalty -\@M}
6355         \if@allcaps
6356           \expandafter\uc@nothanks\@title\thanks\relax
6357         \else
6358           \@title
6359         \fi\par}%
6360     \vskip 3em%

```



```

6361     {\large
6362       \lineskip .75em \parindent\z@
6363       \begin{tabular}[t]{c}%
6364         \if@allcaps
6365           \expandafter\uc@authornothanks\@author\and\relax
6366         \else
6367           \@author
6368         \fi
6369       \end{tabular}\par}%
6370     \vskip 1.5em%
6371     {\large
6372       \if@allcaps
6373         \uppercase\expandafter{\@date}%
6374       \else
6375         \@date
6376       \fi\par}%
6377     \end{center}\par
6378     \@thanks
6379     \vfil\null
6380 \end{titlepage}%
6381 \setcounter{footnote}{0}%
6382 \global\let\thanks\relax
6383 \global\let\maketitle\relax
6384 \global\let\@thanks\@empty
6385 \global\let\@author\@empty
6386 \global\let\@title\@empty
6387 \global\let\@date\@empty
6388 \global\let\title\relax
6389 \global\let\author\relax
6390 \global\let\date\relax
6391 \global\let\and\relax
6392 }

```

31 File boek-xetex-bidi.def

```

6393 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX e
6394 \renewenvironment{theindex}{%
6395   \if@twocolumn
6396     \@restonecolfalse
6397   \else
6398     \@restonecoltrue
6399   \fi
6400   \columnseprule \z@
6401   \columnsep 35\p@
6402   \twocolumn[\@makeschapterhead{\indexname}]%
6403   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6404   \thispagestyle{plain}\parindent\z@
6405   \parskip\z@ \@plus .3\p@\relax
6406   \let\item\@idxitem
6407 }{%

```



```

6408 \if@restonecol\onecolumn\else\clearpage\fi}
6409 \renewcommand*\head@style{%
6410     \interlinepenalty \@M
6411     \hyphenpenalty=\@M \exhyphenpenalty=\@M
6412     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6413 \renewcommand*\@regtocline[3]{%
6414     \ifnum #1>\c@tocdepth
6415     \else
6416         \vskip\z@\@plus.2\p@
6417         {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
6418         \if@RTL\rightskip\else\leftskip\fi\unitindent
6419         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6420         \parfillskip\z@
6421         \@tempdima\unitindent
6422         \parindent\z@
6423         \leavevmode
6424         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6425         \hskip 1em \nobreak{\slshape #3}\par
6426     }%
6427 \fi}
6428 \if@oldtoc
6429 \renewcommand*\l@part[2]{%
6430     \ifnum \c@tocdepth >-2\relax
6431         \addpenalty{-\@highpenalty}%
6432         \addvspace{2.25em \@plus\p@}%
6433         \begingroup
6434             \setlength\@tempdima{3em}%
6435             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6436             \parfillskip -\@pnumwidth
6437             {\leavevmode
6438             \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6439             \nobreak
6440             \global\@nobreaktrue
6441             \everypar{\global\@nobreakfalse\everypar{}}%
6442         \endgroup
6443     \fi}
6444 \else
6445     \renewcommand*\l@part{%
6446         \ifnum \c@tocdepth >-2\relax
6447             \addpenalty{-\@highpenalty}%
6448             \addvspace{2.25em \@plus \p@}%
6449             \@regtocline{0}%
6450         \fi}
6451 \fi
6452 \if@oldtoc
6453 \renewcommand*\l@chapter[2]{%
6454     \addpenalty{-\@highpenalty}%
6455     \vskip 1.0em \@plus\p@
6456     \setlength\@tempdima{1.5em}%
6457     \begingroup

```



```

6458 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6459 \parfillskip -\@pnumwidth
6460 \leavevmode \bfseries
6461 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6462 \hskip -\if@RTL\rightskip\else\leftskip\fi
6463 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6464 \penalty\@highpenalty
6465 \endgroup}
6466 \else
6467 \renewcommand*\l@chapter{\@regtocline{0}}
6468 \fi
6469 \renewcommand*\left@footnoterule{%
6470 \kern-3\p@
6471 \kern.5\baselineskip
6472 \hrule\@width\unitindent
6473 \kern.4\baselineskip
6474 }
6475 \renewcommand*\right@footnoterule{%
6476 \kern-3\p@
6477 \kern.5\baselineskip
6478 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6479 \kern.4\baselineskip}
6480 \renewenvironment{abstract}{%
6481 \titlepage
6482 \null\vfil
6483 \section*{\SectFont \abstractname}
6484 \noindent\ignorespaces}
6485 {\par\vfil\null\endtitlepage}
6486 \renewenvironment{thebibliography}[1]
6487 {\chapter*{\bibname}%
6488 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6489 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6490 \bidi@@thebibliography@font@hook%
6491 \list{\@biblabel{\@arabic\c@enumiv}}%
6492 {\settowidth\labelwidth{\@biblabel{#1}}%
6493 \leftmargin\labelwidth
6494 \advance\leftmargin\labelsep
6495 \@openbib@code
6496 \usecounter{enumiv}%
6497 \let\p@enumiv\@empty
6498 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6499 \sloppy\clubpenalty4000\widowpenalty4000%
6500 \sfcode`\.\@m}
6501 {\def\@noitemerr
6502 {\@latex@warning{Empty `thebibliography' environment}}}%
6503 \endlist}
6504 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6505 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6506 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6507 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}

```




```

6508 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6509 \renewcommand*\theequation{%
6510   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6511 \renewcommand*\thefigure{%
6512   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6513 \renewcommand*\thetable{%
6514   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6515 \renewcommand*\maketitle{%
6516   \begin{titlepage}%
6517     \let\footnotesize\small
6518     \let\right@footnoterule\relax
6519     \let\left@footnoterule\relax
6520     \let\textwidth@footnoterule\relax
6521     \let \footnote \thanks
6522     \long\def\@makefnmark##1{\parindent\z@
6523       \def\labelitemi{\textendash}\@revlabeltrue
6524       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6525     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6526     \if@compatibility\setcounter{page}{0}\fi
6527     \null\vfil
6528     \vskip 60\p@
6529     \begin{center}%
6530       \TitleFont
6531       {\LARGE \def\\{\penalty -\@M}
6532         \if@allcaps
6533           \expandafter\uc@nothanks\@title\thanks\relax
6534         \else
6535           \@title
6536         \fi\par}%
6537       \vskip 3em%
6538       {\large
6539         \lineskip .75em \parindent\z@
6540         \begin{tabular}[t]{c}%
6541           \if@allcaps
6542             \expandafter\uc@authornothanks\@author\and\relax
6543           \else
6544             \@author
6545           \fi
6546         \end{tabular}\par}%
6547       \vskip 1.5em%
6548       {\large
6549         \if@allcaps
6550           \uppercase\expandafter{\@date}%
6551         \else
6552           \@date
6553         \fi\par}%
6554       \end{center}\par
6555       \@thanks
6556       \vfil\null
6557     \end{titlepage}%

```



```

6558 \setcounter{footnote}{0}%
6559 \global\let\thanks\relax
6560 \global\let\maketitle\relax
6561 \global\let\@thanks\@empty
6562 \global\let\@author\@empty
6563 \global\let\@title\@empty
6564 \global\let\@date\@empty
6565 \global\let\title\relax
6566 \global\let\author\relax
6567 \global\let\date\relax
6568 \global\let\and\relax
6569 }

```

32 File `bookest-xetex-bidi.def`

```

6570 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6571 \def\@makechapterhead#1{%
6572   \vspace*{20\p@}
6573   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6574     \ifnum \c@secnumdepth >\m@ne
6575       \if@mainmatter
6576         {\colorA\huge\scshape \@chapapp\space \thechapter}
6577         \par\nobreak
6578         \vskip 10\p@
6579       \fi
6580     \fi
6581     \interlinepenalty\@M
6582     {\colorB\hrule}
6583     \vskip 15\p@
6584     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6585       {\colorA\Huge \bfseries #1}\par\nobreak
6586     \if@RTL\end{flushleft}\else\end{flushright}\fi
6587     \vskip 5\p@
6588     {\colorB\hrule}
6589     \vskip 30\p@
6590   }}
6591 \def\@makeschapterhead#1{%
6592   \vspace*{20\p@}
6593   {\parindent \z@ \raggedright \normalfont
6594     {\colorB\hrule}
6595     \vskip 15\p@
6596     \begin{center}
6597       {\colorA\Huge \bfseries #1}\par\nobreak
6598     \end{center}
6599     \vskip 5\p@
6600     {\colorB\hrule}
6601     \vskip 30\p@
6602   }}

```



33 File book-xetex-bidi.def

```

6603 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6604 \renewenvironment{theindex}
6605     {\if@twocolumn
6606       \@restonecolfalse
6607       \else
6608         \@restonecoltrue
6609       \fi
6610       \columnseprule \z@
6611       \columnsep 35\p@
6612       \twocolumn[\@makeschapterhead{\indexname}]%
6613       \@mkboth{\MakeUppercase\indexname}%
6614               {\MakeUppercase\indexname}%
6615       \thispagestyle{plain}\parindent\z@
6616       \parskip\z@ \@plus .3\p@\relax
6617       \let\item\@idxitem}
6618     {\if@restonecol\onecolumn\else\clearpage\fi}
6619 \@ifclassloaded{bookest}{\}{%
6620   \if@titlepage
6621     \renewcommand\maketitle{\begin{titlepage}%
6622       \let\footnotesize\small
6623       \let\right@footnoterule\relax
6624       \let\left@footnoterule\relax
6625       \let\textwidth\footnoterule\relax
6626       \let \footnote \thanks
6627       \let \LTRfootnote \LTRthanks
6628       \let \RTLfootnote \RTLthanks
6629       \null\vfil
6630       \vskip 60\p@
6631       \begin{center}%
6632         {\LARGE \@title \par}%
6633         \vskip 3em%
6634         {\large
6635           \lineskip .75em%
6636           \begin{tabular}[t]{c}%
6637             \@author
6638             \end{tabular}\par}%
6639           \vskip 1.5em%
6640           {\large \@date \par}%           % Set date in \large size.
6641       \end{center}\par
6642       \@thanks
6643       \vfil\null
6644       \end{titlepage}%
6645       \setcounter{footnote}{0}%
6646       \global\let\thanks\relax
6647       \global\let\LTRthanks\relax
6648       \global\let\RTLthanks\relax
6649       \global\let\maketitle\relax
6650       \global\let\@thanks\@empty

```



```

6651 \global\let\@author\@empty
6652 \global\let\@date\@empty
6653 \global\let\@title\@empty
6654 \global\let\title\relax
6655 \global\let\author\relax
6656 \global\let\date\relax
6657 \global\let\and\relax
6658 }
6659 \else
6660 \renewcommand\maketitle{\par
6661   \begingroup
6662     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6663     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6664     \long\def\@makefntext##1{\parindent 1em\noindent
6665       \hb@xt@1.8em{%
6666         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6667     \if@twocolumn
6668       \ifnum \col@number=\@ne
6669         \@maketitle
6670       \else
6671         \twocolumn[\@maketitle]%
6672       \fi
6673     \else
6674       \newpage
6675       \global\@topnum\z@    % Prevents figures from going at top of page.
6676       \@maketitle
6677     \fi
6678     \thispagestyle{plain}\@thanks
6679   \endgroup
6680   \setcounter{footnote}{0}%
6681   \global\let\thanks\relax
6682   \global\let\LTRthanks\relax
6683   \global\let\RTLthanks\relax
6684   \global\let\maketitle\relax
6685   \global\let\@maketitle\relax
6686   \global\let\@thanks\@empty
6687   \global\let\@author\@empty
6688   \global\let\@date\@empty
6689   \global\let\@title\@empty
6690   \global\let\title\relax
6691   \global\let\author\relax
6692   \global\let\date\relax
6693   \global\let\and\relax
6694 }
6695 \def\@maketitle{%
6696   \newpage
6697   \null
6698   \vskip 2em%
6699   \begin{center}%
6700   \let \footnote \thanks

```



```

6701 \let \LTRfootnote \LTRthanks
6702 \let \RTLfootnote \RTLthanks
6703 {\LARGE \@title \par}%
6704 \vskip 1.5em%
6705 {\large
6706   \lineskip .5em%
6707   \begin{tabular}[t]{c}%
6708     \@author
6709   \end{tabular}\par}%
6710 \vskip 1em%
6711 {\large \@date}%
6712 \end{center}%
6713 \par
6714 \vskip 1.5em}
6715 \fi}
6716 \renewcommand*\l@part[2]{%
6717   \ifnum \c@tocdepth >-2\relax
6718     \addpenalty{-\@highpenalty}%
6719     \addvspace{2.25em \@plus\p@}%
6720     \setlength\@tempdima{3em}%
6721     \begingroup
6722       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6723       \parfillskip -\@pnumwidth
6724       {\leavevmode
6725         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6726       \nobreak
6727       \global\@nbreaktrue
6728       \everypar{\global\@nbreakfalse\everypar{}}%
6729     \endgroup
6730   \fi}
6731 \renewcommand*\l@chapter[2]{%
6732   \ifnum \c@tocdepth >\m@ne
6733     \addpenalty{-\@highpenalty}%
6734     \vskip 1.0em \@plus\p@
6735     \setlength\@tempdima{1.5em}%
6736     \begingroup
6737       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6738       \parfillskip -\@pnumwidth
6739       \leavevmode \bfseries
6740       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6741       \hskip -\if@RTL\rightskip\else\leftskip\fi
6742       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6743       \penalty\@highpenalty
6744     \endgroup
6745   \fi}
6746 \renewcommand\left@footnoterule{%
6747   \kern-3\p@
6748   \hrule\@width.4\columnwidth
6749   \kern2.6\p@}
6750 \renewcommand\right@footnoterule{%

```



```

6751 \kern-3\p@
6752 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6753 \kern2.6\p@}
6754 \renewcommand\theequation
6755 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6756 \renewcommand \thefigure
6757 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6758 \renewcommand \thetable
6759 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6760 \renewcommand \thechapter {\@arabic\c@chapter}
6761 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6762 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6763 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6764 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6765 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6766 \def\@makechapterhead#1{%
6767 \vspace*{50\p@}%
6768 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6769 \ifnum \c@secnumdepth >\m@ne
6770 \if@mainmatter
6771 \huge\bfseries \@chapapp\space \thechapter
6772 \par\nobreak
6773 \vskip 20\p@
6774 \fi
6775 \fi
6776 \interlinepenalty\@M
6777 \Huge \bfseries #1\par\nobreak
6778 \vskip 40\p@
6779 }}
6780 \def\@makeschapterhead#1{%
6781 \vspace*{50\p@}%
6782 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6783 \normalfont
6784 \interlinepenalty\@M
6785 \Huge \bfseries #1\par\nobreak
6786 \vskip 40\p@
6787 }}
6788 \renewcommand\backmatter{%
6789 \if@openright
6790 \cleardoublepage
6791 \else
6792 \clearpage
6793 \fi
6794 \@mainmatterfalse}
6795 \renewenvironment{thebibliography}[1]
6796 {\chapter*{\bibname}%
6797 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6798 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6799 \bidi@thebibliography@font@hook%
6800 \list{\@biblabel{\@arabic\c@enumiv}}%

```



```

6801         {\settowidth\labelwidth{\@biblabel{#1}}}%
6802         \leftmargin\labelwidth
6803         \advance\leftmargin\labelsep
6804         \@openbib@code
6805         \usecounter{enumiv}%
6806         \let\p@enumiv\@empty
6807         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6808     \sloppy
6809     \clubpenalty4000
6810     \@clubpenalty \clubpenalty
6811     \widowpenalty4000%
6812     \sfcode`.\@m}
6813 {\def\@noitemerr
6814   {\@latex@warning{Empty `thebibliography' environment}}}%
6815 \endlist}

```

34 File breqn-xetex-bidi.def

```

6816 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6817 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6818   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6819   \if@noskipsec \leavevmode \fi
6820   \if@inlabel \leavevmode \global\@inlabelfalse \fi
6821   \if\eq@group\else\eq@prelim\fi
6822   \setkeys{breqn}{#1}%
6823   \the\eqstyle
6824   \eq@setnumber
6825   \begingroup
6826   \eq@setup@a
6827   \eq@startup
6828 }
6829 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6830   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6831   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6832   \global\let\GRP@label\@empty
6833   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6834   \global\grp@linewidth\z@\global\grp@wdNum\z@
6835   \global\let\grp@eqs@numbered\@False
6836   \global\let\grp@aligned\@True
6837   \global\let\grp@shiftnumber\@False
6838   \eq@prelim
6839   \setkeys{breqn}{#1}%
6840   \if\grp@hasNumber \grp@setnumber \fi
6841 }
6842 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6843   \let\display@setup\dseries@display@setup
6844   % Question: should this be the default for dseries???
6845   \global\eq@wdCond\z@
6846   \@dmath[layout={M},#1]%
6847   \mathsurround\z@\@math \penalty\@Mi

```



```

6848 \let\endmath\ends@math
6849 \def\premath{%
6850   \ifdim\lastskip<.3em \unskip
6851   \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6852 }%
6853 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6854 \ignorespaces
6855 }
6856 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
6857 \renewenvironment{dsuspend}{%
6858   \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6859   \parshape 1 \displayindent \displaywidth\relax
6860   \hsize=\columnwidth \noindent\ignorespaces
6861 }{%
6862   \par\egroup
6863   \global\setbox\GRP@box\vbox{%
6864     \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
6865     \unvbox\GRP@box
6866   }%
6867   \global\GRP@queue\@xp{\the\GRP@queue
6868     \@elt{\let\eq@isIntertext\@True}}%
6869   }%
6870 }

```

35 File cals-xetex-bidi.def

```

6871 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
6872 \renewcommand\cals@setup@alignment[1]{%
6873   \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6874   \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6875   \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6876 }
6877 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6878 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6879   \if@RTLtab\cals@activate@rtl\fi
6880   \let\cals@thead@tokens=\relax
6881   \let\cals@tfoot@tokens=\relax
6882   \let\cals@tbreak@tokens=\relax
6883   \cals@tfoot@height=0pt \relax
6884   \let\cals@last@context=n%
6885   \let\cals@current@context=b%
6886   \parindent=0pt \relax%
6887   \cals@setup@alignment{#1}%
6888   \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@settohsize%
6889   %% Alignment inside is independent on center/flushright outside
6890   \parfillskip=0pt plus1fil\relax
6891   \let\cals@borderL=\relax
6892   \let\cals@borderR=\relax
6893   \let\cals@borderT=\relax
6894   \let\cals@borderB=\relax

```




```

6895 \setbox\cals@backup@row=\box\voidb@x\relax
6896 \cals@AtBeginTable
6897 }{% End of the table
6898 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6899 \renewcommand\alignL{%
6900 \if@RTLtab
6901   \cals@vfillAdd\cals@paddingL
6902 \else
6903   \cals@vfillDrop\cals@paddingL
6904 \fi
6905 \cals@vfillDrop\cals@paddingR}
6906 \renewcommand\alignR{%
6907 \if@RTLtab
6908   \cals@vfillDrop\cals@paddingL
6909 \else
6910   \cals@vfillAdd\cals@paddingL
6911 \fi
6912 \cals@vfillDrop\cals@paddingR}

```

36 File caption-xetex-bidi.def

```

6913 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
6914 \let\@makecaption\caption@makecaption

```

37 File caption3-xetex-bidi.def

```

6915 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6916 \renewcommand*\caption@par{%
6917   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

38 File colortbl-xetex-bidi.def

```

6918 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6919 \def\CT@setup{%
6920   \@tempdimb\col@sep
6921   \@tempdimc\col@sep
6922   \def\CT@color{%
6923     \global\let\CT@do@color\CT@@do@color
6924     \bidicolor}}
6925 \def\@classz{\@classx
6926   \@tempcnta \count@
6927   \prepnext@tok
6928 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6929   \@addtopreamble{\if@RTLtab\beginL\fi%
6930     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6931     \ifcase \@chnum
6932       \hskip\stretch{.5}\kern\z@
6933     \d@llarbegin
6934     \insert@column
6935     \d@llarend\hskip\stretch{.5}\or

```



```

6936 \d@llarbegin \insert@column \d@llarend \hfill \or
6937 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6938 $\vcenter
6939 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6940 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6941 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6942 \fi
6943 \if@RTLtab\endR\fi\egroup\egroup
6944 \begingroup
6945 \CT@setup
6946 \CT@column@color
6947 \CT@row@color
6948 \CT@cell@color
6949 \CT@do@color
6950 \endgroup
6951 \@tempdima\ht\z@
6952 \advance\@tempdima\minrowclearance
6953 \vrule\@height\@tempdima\@width\z@
6954 \unhbox\z@\if@RTLtab\endL\fi}%
6955 \prepnext@tok}

```

39 File color-xetex-bidi.def

```

6956 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe®
6957 \long\def\color@b@x#1#2#3{%
6958 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6959 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6960 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6961 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6962 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6963 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
6964 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6965 \DeclareRobustCommand\color{%
6966 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]
6967 \def\@declaredcolor#1{%
6968 \@ifundefined{string\color @#1}%
6969 {\c@lor@error{`#1'}}%
6970 {\expandafter\let\expandafter\current@color
6971 \csname\string\color @#1\endcsname
6972 \set@color}%
6973 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6974 \def\@undeclaredcolor[#1]#2{%
6975 \@ifundefined{color@#1}%
6976 {\c@lor@error{model `#1'}}%
6977 {\csname color@#1\endcsname\current@color{#2}%
6978 \set@color}%
6979 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6980 \DeclareRobustCommand\bidicolor{%
6981 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
6982 \def\@bidiundeclaredcolor[#1]#2{%

```



```

6983 \ifundefined{color@#1}%
6984   {\c@lor@error{model `#1'}}%
6985   {\csname color@#1\endcsname\current@color{#2}%
6986     \set@color}%
6987   \ignorespaces}
6988 \def\@bidideclaredcolor#1{%
6989   \ifundefined{\string\color @#1}%
6990     {\c@lor@error{`#1'}}%
6991     {\expandafter\let\expandafter\current@color
6992       \csname\string\color @#1\endcsname
6993       \set@color}%
6994     \ignorespaces}
6995 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6996 \def\color@fbox#1#2#3{%
6997   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6998 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode}

```

40 File combine-xetex-bidi.def

```

6999 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
7000 \renewcommand{\c@ll@chapsecii}[2]{%
7001   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7002   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7003   #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
7004 }
7005 \renewcommand{\c@ll@chapseci}{%
7006   \setlength{\@tempdima}{0em}%
7007   \begingroup
7008     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7009     \parfillskip -\@pnumwidth
7010     \leavevmode
7011 }
7012 \renewenvironment{tocindent}[1]{%
7013   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

41 File crop-xetex-bidi.def

```

7014 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
7015 \renewcommand*\CROP@ulc{%
7016   \if@RTLmain%
7017     \begin{picture}(0,0)
7018       \unitlength\p@\thinlines
7019       \put(-40,0){\circle{10}}
7020       \put(-30,-5){\line(0,1){10}}
7021       \put(-35,0){\line(1,0){30}}
7022       \put(-10,30){\circle{10}}
7023       \put(-5,30){\line(1,0){10}}
7024       \put(0,35){\line(0,-1){30}}
7025     \end{picture}%
7026   \else%

```



```

7027 \begin{picture}(0,0)
7028 \unitlength\p@\thinlines
7029 \put(-30,0){\circle{10}}
7030 \put(-30,-5){\line(0,1){10}}
7031 \put(-35,0){\line(1,0){30}}
7032 \put(0,30){\circle{10}}
7033 \put(-5,30){\line(1,0){10}}
7034 \put(0,35){\line(0,-1){30}}
7035 \end{picture}%
7036 \fi%
7037 }
7038 \renewcommand*\CROP@urc{%
7039 \if@RTLmain%
7040 \begin{picture}(0,0)
7041 \unitlength\p@\thinlines
7042 \put(20,0){\circle{10}}
7043 \put(30,-5){\line(0,1){10}}
7044 \put(35,0){\line(-1,0){30}}
7045 \put(-10,30){\circle{10}}
7046 \put(-5,30){\line(1,0){10}}
7047 \put(0,35){\line(0,-1){30}}
7048 \end{picture}%
7049 \else%
7050 \begin{picture}(0,0)
7051 \unitlength\p@\thinlines
7052 \put(30,0){\circle{10}}
7053 \put(30,-5){\line(0,1){10}}
7054 \put(35,0){\line(-1,0){30}}
7055 \put(0,30){\circle{10}}
7056 \put(-5,30){\line(1,0){10}}
7057 \put(0,35){\line(0,-1){30}}
7058 \end{picture}%
7059 \fi%
7060 }
7061 \renewcommand*\CROP@llc{%
7062 \if@RTLmain%
7063 \begin{picture}(0,0)
7064 \unitlength\p@\thinlines
7065 \put(-40,0){\circle{10}}
7066 \put(-30,-5){\line(0,1){10}}
7067 \put(-35,0){\line(1,0){30}}
7068 \put(-10,-30){\circle{10}}
7069 \put(-5,-30){\line(1,0){10}}
7070 \put(0,-35){\line(0,1){30}}
7071 \end{picture}%
7072 \else%
7073 \begin{picture}(0,0)
7074 \unitlength\p@\thinlines
7075 \put(-30,0){\circle{10}}
7076 \put(-30,-5){\line(0,1){10}}

```



```

7077      \put(-35,0){\line(1,0){30}}
7078      \put(0,-30){\circle{10}}
7079      \put(-5,-30){\line(1,0){10}}
7080      \put(0,-35){\line(0,1){30}}
7081      \end{picture}%
7082      \fi%
7083 }
7084 \renewcommand*\CROP@lrc{%
7085   \if@RTLmain%
7086     \begin{picture}(0,0)
7087       \unitlength\p@thinlines
7088       \put(20,0){\circle{10}}
7089       \put(30,-5){\line(0,1){10}}
7090       \put(35,0){\line(-1,0){30}}
7091       \put(-10,-30){\circle{10}}
7092       \put(-5,-30){\line(1,0){10}}
7093       \put(0,-35){\line(0,1){30}}
7094     \end{picture}%
7095   \else%
7096     \begin{picture}(0,0)
7097       \unitlength\p@thinlines
7098       \put(30,0){\circle{10}}
7099       \put(30,-5){\line(0,1){10}}
7100       \put(35,0){\line(-1,0){30}}
7101       \put(0,-30){\circle{10}}
7102       \put(-5,-30){\line(1,0){10}}
7103       \put(0,-35){\line(0,1){30}}
7104     \end{picture}%
7105   \fi%
7106 }
7107 \ifpackagewith{crop}{cam}{%
7108   \CROP@execopt{cam}%
7109 }{}

```

42 File cutwin-xetex-bidi.def

```

7110 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for X]
7111 \renewcommand*{\c@twcompctr}[2]{%
7112   \def\c@twfirst{1}
7113   \loop\advance\c@twwinlines\m@ne
7114   \setbox\c@twslicea=\vsplit#1 to\baselineskip
7115   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7116   \c@twprune{\c@twslicea}{\c@twlftside}%
7117   \c@twprune{\c@twsliceb}{\c@twrtside}%
7118   \ifnum\c@twfirst=\@ne
7119     \setbox#2=\vbox{\unvbox#2\hbox
7120       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
7121   \else
7122     \setbox#2=\vbox{\unvbox#2\hbox
7123       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}

```



```

7124 \fi
7125 \def\c@twfirst{2}
7126 \ifnum\c@twwinlines>\z@\repeat}
7127 \renewcommand*\c@twcompodctr}[2]{%
7128 \def\c@twrounds{1}
7129 \def\c@twfirst{1}
7130 \@for\c@twlspec:=\c@twb\do{%
7131 \ifnum\c@twrounds=1
7132 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7133 \c@twprune{\c@twslicea}{\c@twlspec}%
7134 \def\c@twrounds{2}
7135 \else
7136 \setbox\c@twliceb=\vsplit#1 to\baselineskip % second of pair
7137 \c@twprune{\c@twliceb}{\c@twlspec}%
7138 \ifnum\c@twfirst=1
7139 \setbox#2=\vbox{\unvbox#2\hbox
7140 to\hsize{\if@RTL\box\c@twliceb\else\box\c@twlicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@twliceb\else\box\c@twlicea\fi}}
7141 \def\c@twfirst{2}
7142 \else
7143 \setbox#2=\vbox{\unvbox#2\hbox
7144 to\hsize{\if@RTL\box\c@twliceb\else\box\c@twlicea\fi\hfil\if@RTL\box\c@twliceb\else\box\c@twlicea\fi}}
7145 \fi
7146 \def\c@twrounds{1}
7147 \fi}}

```

43 File cuted-xetex-bidi.def

```

7148 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for XeTeX]
7149
7150 \def\RTL@outputdblcol{%
7151 \if@firstcolumn
7152 \global\@firstcolumnfalse
7153 \global\setbox\@leftcolumn\copy\@outputbox
7154 \splitmaxdepth\maxdimen
7155 \vbadness\maxdimen
7156 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7157 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7158 \toks@{\expandafter{\topmark}}%
7159 \xdef\@firstcoltopmark{\the\toks@}%
7160 \toks@{\expandafter{\splitfirstmark}}%
7161 \xdef\@firstcolfirstmark{\the\toks@}%
7162 \ifx\@firstcolfirstmark\@empty
7163 \global\let\@setmarks\relax
7164 \else
7165 \gdef\@setmarks{%
7166 \let\firstmark\@firstcolfirstmark
7167 \let\topmark\@firstcoltopmark}%
7168 \fi
7169 \else
7170 \global\@firstcolumntrue

```



```

7171 \setbox\@outputbox\vbox{%
7172   \hb@xt@\textwidth{%
7173     \hskip \columnwidth
7174     \hfil
7175     {\normalcolor\vrule \@width\columnseprule}%
7176     \hfil
7177     \hb@xt@\columnwidth{%
7178       \bidi@firstcolumn@status@write%
7179       \box\@leftcolumn \hss}%
7180     \hskip -\textwidth
7181     \hb@xt@\columnwidth{%
7182       \bidi@lastcolumn@status@write%
7183       \box\@outputbox \hss}%
7184     \hskip \columnsep
7185     \hskip \columnwidth }}%
7186 \ifvoid\hold@viper
7187 \else
7188   \setbox\@outputbox \vbox to\textheight{%
7189     \box\hold@viper
7190     \box\@outputbox
7191     \vss
7192   }%
7193 \fi
7194 \@combinedblfloats
7195 \@setmarks
7196 \@outputpage
7197 \beginngroup
7198   \@dblfloatplacement
7199   \@startdblcolumn
7200   \@whilesw\if@fcolmade \fi{\@outputpage
7201     \@startdblcolumn}%
7202   \ifvoid\@viper
7203   \else
7204     \global\setbox\@viper\vbox{%
7205       \vskip-\stripsep
7206       \unvbox\@viper
7207     }%
7208     \@viperoutput
7209   \fi
7210 \endgroup
7211 \fi}%
7212
7213 \def\LTR@outputdblcol{%
7214   \if@firstcolumn
7215     \global\@firstcolumnfalse
7216     \global\setbox\@leftcolumn\copy\@outputbox
7217     \splitmaxdepth\maxdimen
7218     \vbadness\maxdimen
7219     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7220     \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

7221 \toks@expandafter{\topmark}%
7222 \xdef\@firstcoltopmark{\the\toks@}%
7223 \toks@expandafter{\splitfirstmark}%
7224 \xdef\@firstcolfirstmark{\the\toks@}%
7225 \ifx\@firstcolfirstmark\@empty
7226   \global\let\@setmarks\relax
7227 \else
7228   \gdef\@setmarks{%
7229     \let\firstmark\@firstcolfirstmark
7230     \let\topmark\@firstcoltopmark}%
7231 \fi
7232 \else
7233   \global\@firstcolumntrue
7234   \setbox\@outputbox\vbox{%
7235     \hb@xt@\textwidth{%
7236       \hb@xt@\columnwidth{%
7237         \bidi@firstcolumn@status@write%
7238         \box\@leftcolumn \hss}%
7239       \hfil
7240       {\normalcolor\vrule \@width\columnseprule}%
7241       \hfil
7242       \hb@xt@\columnwidth{%
7243         \bidi@lastcolumn@status@write%
7244         \box\@outputbox \hss}}}%
7245   \ifvoid\hold@viper
7246   \else
7247     \setbox\@outputbox \vbox to\textheight{%
7248       \box\hold@viper
7249       \box\@outputbox
7250       \vss
7251     }%
7252   \fi
7253 \@combinedblfloats
7254 \@setmarks
7255 \@outputpage
7256 \begingroup
7257 \@dblfloatplacement
7258 \@startdblcolumn
7259 \@whiles\if@fcolmade \fi{\@outputpage
7260 \@startdblcolumn}%
7261 \ifvoid\@viper
7262 \else
7263   \global\setbox\@viper\vbox{%
7264     \vskip-\stripsep
7265     \unvbox\@viper
7266   }%
7267   \@viperoutput
7268 \fi
7269 \endgroup
7270 \fi}%

```




```

7271
7272
7273 \def \@adviper {%
7274   \if@firstcolumn
7275     \insertfalse
7276     \reqcolroom .5\@pageht
7277     \ht@viper\@reqcolroom
7278     \advance \@reqcolroom \ht\@viper
7279     \advance \@reqcolroom \stripsep
7280     \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7281 %%
7282     \@tempdimb \ht@viper
7283     \loop
7284     \setbox\v@aaa\copy\@holdpg
7285     \setbox\v@ccc\vbox to\@tempdimb{%
7286       \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7287     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7288     \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7289     \loop
7290     \setbox\v@aaa\copy\@holdpg
7291     \setbox\v@ccc\vbox to\@tempdimb{%
7292       \vsplit\v@aaa to\@tempdimb\vss}%
7293     \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7294     \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7295     \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7296     \setbox\v@ccc\vbox to\@tempdimb{%
7297       \vsplit\@holdpg to\@tempdimb\vss}%
7298 %%
7299   \setbox\@tempboxa \vbox {%
7300     \hb@xt@\textwidth {%
7301       \if@RTLmain%
7302         \hskip \columnwidth
7303         \hfil \vrule width\columnseprule \hfil
7304         \hb@xt@\columnwidth {%
7305           \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7306         \hskip -\textwidth
7307         \hb@xt@\columnwidth {%
7308           \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7309         \hskip \columnsep
7310         \hskip \columnwidth
7311       \else%
7312         \hb@xt@\columnwidth {%
7313           \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7314         \hfil
7315         \vrule \@width\columnseprule
7316         \hfil
7317         \hb@xt@\columnwidth {%
7318           \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7319         \fi}%
7320     }%

```



```

7321 \ifvoid\hold@viper
7322   \global\setbox\hold@viper \vbox {%
7323     \unvbox\@tempboxa
7324     \penalty\interlinepenalty
7325     \vskip\stripsep
7326     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7327     \outputpenalty \z@
7328     }%
7329 \else
7330   \global\setbox\hold@viper \vbox {%
7331     \unvbox\hold@viper
7332     \unvbox\@tempboxa
7333     \penalty\interlinepenalty
7334     \vskip\stripsep
7335     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7336     \outputpenalty \z@
7337     }%
7338 \fi
7339 \ifdim \@colroom>\@reqcolroom
7340   \global\setbox\hold@viper \vbox {%
7341     \unvbox\hold@viper
7342     \box\@viper
7343     \penalty\interlinepenalty
7344     \vskip\stripsep
7345     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7346     \outputpenalty \z@
7347     }%
7348 \inserttrue
7349 \advance\@tempdima by-\ht\hold@viper
7350 \global \advance \@colht \@tempdima
7351 \ifdim \@colht<2.5\baselineskip
7352   \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7353     too tall on page \thepage (1 stulpelis)}%
7354   \@emptycol
7355   \if@firstcolumn
7356   \else
7357     \@emptycol
7358   \fi
7359   \global\@lastvipertrue
7360 \else
7361   \global \vsize \@colht
7362   \global \@colroom \@colht
7363   \check@floats
7364   \ifdim\@tempdima>\z@
7365     \global\advance\@colroom by-\@tempdima
7366   \fi
7367   \ifdim\@colroom<\z@
7368     \global\@colroom 1pt
7369     \ifdim\@tempdima>\@colht
7370       \@latex@warning@no@line {TOP ir/ar BOT FLOAT's

```



```

7371                                netelpa lape \thepage (1 stulpelis)}}%
7372                                \fi
7373                                \@emptycol
7374                                \if@firstcolumn
7375                                \else
7376                                \@emptycol
7377                                \fi
7378                                \global\@lastvipertrue
7379                                \fi
7380                                \fi
7381                                \fi
7382                                \else
7383                                \@insertfalse
7384                                \@reqcolroom\@colht
7385                                \advance\@reqcolroom \@pageht
7386                                \ht@vipер.5\@reqcolroom
7387                                \@reqcolroom\ht@vipер
7388                                \advance \@reqcolroom \ht\@vipер
7389                                \advance \@reqcolroom \stripsep
7390                                \if@flushend@auto@baselineskip
7391                                \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7392                                \global\lastskip@d\lastskip
7393                                \global\lastskip@b\lastskip
7394                                \loop
7395                                \global\lastskip@a\lastskip@b
7396                                \unskip\unpenalty
7397                                \global\lastskip@b\lastskip
7398                                \global\advance\lastskip@d by\lastskip
7399                                \ifdim\lastskip@b=-\lastskip@a
7400                                \global\advance\lastskip@d by-\lastskip
7401                                \else
7402                                \repeat
7403                                \ifdim\lastskip@b=-\lastskip@a
7404                                \ifdim\lastskip@b=\z@
7405                                \setbox\lastbox@a\lastbox
7406                                \global\advance\lastskip@d by\ht\lastbox@a
7407                                \global\advance\lastskip@d by\lastskip
7408                                \unskip\unpenalty
7409                                \setbox\lastbox@a\lastbox
7410                                \global\advance\lastskip@d by\dp\lastbox@a
7411                                \else
7412                                \global\lastskip@d\lastskip
7413                                \global\advance\lastskip@d by\topskip
7414                                \fi
7415                                \fi
7416                                \global\advance\lastskip@d by-\topskip
7417                                }%
7418                                \ifdim\ht\@holdpg>\@colht
7419                                \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7420                                \par\eject

```



```

7421         \vbox to \@colht{\unvbox\@holdpg\unskip}%
7422     }%
7423 \else
7424     \global\setbox\@holdpg\vbox{%
7425         \unvbox\@leftcolumn\unskip\unpenalty
7426         \vskip\lastskip@d
7427         \the\At@ViperColsBreak
7428         \unvbox\@holdpg
7429         \unskip
7430     }%
7431 \fi
7432 \else
7433     \global\setbox\@holdpg\vbox{%
7434         \unvbox\@leftcolumn
7435         \setbox\@tempboxa\lastbox
7436         \on@stripcols@break
7437         \the\At@ViperColsBreak
7438         \unvbox\@holdpg
7439     }%
7440 \fi
7441 \global\At@ViperColsBreak{}%
7442 \ht@viper .5\ht\@holdpg
7443 \ifdim \ht@viper>\@colht
7444     \ht@viper \@colht
7445 \fi
7446 \ifvoid\hold@viper\@tempdima=\z@ \else \@tempdima\ht\hold@viper\fi
7447 %%
7448 \@tempdimb \ht@viper
7449 \loop
7450     \setbox\v@aaa\copy\@holdpg
7451     \setbox\v@ccc\vbox to\@tempdimb{%
7452         \vsplit\v@aaa to\@tempdimb
7453         \vss
7454         \vsplit\v@aaa to\@tempdimb
7455     }%
7456     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7457 \ifvoid\v@aaa
7458 \else
7459     \advance\@tempdimb 1\p@
7460 \repeat
7461 \loop
7462     \setbox\v@aaa\copy\@holdpg
7463     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7464     \wlog{(2)Left:\the\ht\v@ccc\space
7465         Right:\the\ht\v@aaa\space
7466         Output:\the\@tempdimb
7467     }%
7468 \ifdim\ht\v@ccc<\ht\v@aaa
7469     \@tempdimb \the\ht\v@aaa
7470 \repeat

```



```

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

```



```

7521             }%
7522     \@inserttrue
7523     \global\@firstcolumntrue
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 (2 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 (2 stulpelis)}%
7547             \fi
7548             \@emptycol
7549             \if@firstcolumn
7550             \else
7551                 \@emptycol
7552             \fi
7553             \global\@lastvipertrue
7554         \fi
7555     \fi
7556 \fi
7557 \fi
7558 \if@insert
7559 \else
7560     \advance\@tempdima by-\ht\hold@viper
7561     \global \advance \@colht \@tempdima
7562     \global\setbox\hold@viper \vbox {%
7563                                     \unvbox\hold@viper
7564                                     \csname viper@top@hook\endcsname
7565                                     \vsplit\@viper to \@colht
7566                                     \vss
7567                                     }%
7568     \vbox{}%
7569     \global\@firstcolumnfalse
7570     \newpage

```



```

7571 \fi
7572 }

```

44 File cvthemebidicasual.sty

```

7573 \NeedsTeXFormat{LaTeX2e}
7574 \ProvidesPackage{cvthemebidicasual}
7575 \DeclareOption{blue}{}
7576 \newif\if@colourorange\@colourorangefalse
7577 \DeclareOption{orange}{\@colourorange>true}
7578 \newif\if@colourgreen\@colourgreenfalse
7579 \DeclareOption{green}{\@colourgreentrue}
7580 \newif\if@colourred\@colourredfalse
7581 \DeclareOption{red}{\@colourred>true}
7582 \newif\if@colourgrey\@colourgreyfalse
7583 \DeclareOption{grey}{\@colourgrey>true}
7584 \DeclareOption*{
7585   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7586 \ExecuteOptions{colour}
7587 \ProcessOptions\relax
7588 \renewcommand*{\listitemsymbol}{\textbullet}
7589 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7590 \familynamecolour{808080}
7591 \firstnamecolour{A9A9A9}
7592 \quotecolour{696969}
7593 \addresscolour{696969}
7594 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7595 \sectiontitlecolour{1E90FF}
7596 \subsectioncolour{4682B4}
7597 \definecolor{rulecolour}{gray}{0.6}
7598 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7599 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7600 \if@colourorange
7601   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7602   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7603   \sectiontitlecolour{FF8C00}
7604   \subsectioncolour{FF8C00}
7605   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7606   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7607 \if@colourgreen
7608   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7609   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7610   \sectiontitlecolour{008000}
7611   \subsectioncolour{008000}
7612   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7613   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7614 \if@colourred
7615   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7616   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7617   \sectiontitlecolour{FF0000}

```



```

7618 \subsectioncolour{FF0000}
7619 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7620 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7621 \if@colourgrey
7622 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7623 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7624 \sectiontitlecolour{808080}
7625 \subsectioncolour{808080}
7626 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7627 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7628 \renewcommand*{\ttdefault}{pcr}
7629 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7630 \renewcommand*{\familynamefont}{\firstnamefont}
7631 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7632 \renewcommand*{\quote font}{\large\slshape}
7633 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7634 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7635 \renewcommand*{\maketitle}{%
7636   {%
7637     \ifthenelse{\isundefined{\@photo}}{%
7638       {}%
7639       {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
7640       \hfill%
7641       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7642       {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7643     \ifthenelse{\isundefined{\@quote}}{%
7644       {}%
7645       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]}%
7646     }%
7647 \newif\if@firstfooterelement\@firstfooterelementtrue
7648 \providecommand*{\footersymbol}{%
7649 \renewcommand*{\footersymbol}{%
7650 \if@firstfooterelement%
7651 \else%
7652   {~~\color{footersymbolcolor}\textbullet~~}\fi}
7653 \providecommand*{\makefooter}{%
7654 \renewcommand*{\makefooter}{%
7655 \fancypagestyle{plain}{%
7656 \fancyfoot[c]{%
7657 \parbox{0.8\textwidth}{%
7658 \centering%
7659 \addressfont\@addresscolour%
7660 \ifthenelse{\isundefined{\@address}}{~}{%
7661 \addresssymbol~\@address\%
7662 \@firstfooterelementfalse}%
7663 \ifthenelse{\isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7664 \ifthenelse{\isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7665 \ifthenelse{\isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7666 \ifthenelse{\isundefined{\@email}}{~}{\footersymbol\emailsymbol~\email link{\@email}\@firstfooterelementfalse}%
7667 \ifthenelse{\isundefined{\@extrainfo}}{~}{\footersymbol\@extrainfo\@firstfooterelementfalse}%

```




```

7668 }%
7669 \pagestyle{plain}}
7670 \AtBeginDocument{\makefooter}

```

45 File cvthemebidiclassic.sty

```

7671 \NeedsTeXFormat{LaTeX2e}
7672 \ProvidesPackage{cvthemebidiclassic}
7673 \DeclareOption{blue}{}
7674 \newif\if@colourorange\@colourorangefalse
7675 \DeclareOption{orange}{\@colourorange>true}
7676 \newif\if@colourgreen\@colourgreenfalse
7677 \DeclareOption{green}{\@colourgreentruer}
7678 \newif\if@colourred\@colourredfalse
7679 \DeclareOption{red}{\@colourredtrue}
7680 \newif\if@colourgrey\@colourgreyfalse
7681 \DeclareOption{grey}{\@colourgreytrue}
7682 \DeclareOption*{
7683   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7684 \ExecuteOptions{colour}
7685 \ProcessOptions\relax
7686 \renewcommand*{\listitemsymbol}{\textbullet}
7687 \firstnamecolour{}
7688 \familynamecolour{}
7689 \titlecolour{808080}
7690 \quotecolour{696969}
7691 \addresscolour{696969}
7692 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7693 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7694 \sectiontitlecolour{1E90FF}
7695 \subsectioncolour{4682B4}
7696 \if@colourorange
7697   \addresscolour{FF8C00}
7698   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7699   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7700   \sectiontitlecolour{FF8C00}
7701   \subsectioncolour{FF8C00}\fi
7702 \if@colourgreen
7703   \addresscolour{008000}
7704   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7705   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7706   \sectiontitlecolour{008000}
7707   \subsectioncolour{008000}\fi
7708 \if@colourred
7709   \addresscolour{FF0000}
7710   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7711   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7712   \sectiontitlecolour{FF0000}
7713   \subsectioncolour{FF0000}\fi
7714 \if@colourgrey

```



```

7715 \addresscolour{808080}
7716 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7717 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7718 \sectiontitlecolour{808080}
7719 \subsectioncolour{808080}\fi
7720 \renewcommand*{\ttdefault}{pcr}
7721 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7722 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7723 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7724 \renewcommand*{\familynamefont}{\firstnamefont}
7725 \renewcommand*{\quoteont}{\large\slshape}
7726 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7727 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7728 \newlength{\maketitlenamemaxwidth}
7729 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7730 \newlength{\maketitlenamefullwidth}
7731 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7732 \newlength{\maketitlenamewidth}
7733 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
7734 \newlength{\maketitlepicturewidth}
7735 \setlength{\maketitlepicturewidth}{\@photowidth}
7736 \newlength{\maketitledetailwidth}
7737 \renewcommand*{\recomputethemelengths}{%
7738 \setlength{\maketitledetailwidth}{\textwidth}%
7739 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
7740 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7741 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}%
7742 \recomputethemelengths}
7743 \newif\if@firstdetailselement\@firstdetailselementtrue
7744 \newcommand*{\maketitledetailsnewline}{%
7745 \if@firstdetailselement%
7746 \@firstdetailselementfalse%
7747 \else%
7748 \[\.2em]\fi}
7749 \renewcommand*{\maketitle}{%
7750 % name and title
7751 \begin{minipage}[b]{\maketitlenamewidth}%
7752 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7753 \ifthenelse{\equal{\@title}{}}{\}\{\}\[1.25em]\titlestyle{\@title}}%
7754 \end{minipage}%
7755 % optional data
7756 \begin{minipage}[b]{\maketitledetailwidth}%
7757 \bidi@raggedleft\addressfont\@addresscolour%
7758 \ifthenelse{\isundefined{\@address}}{\}\{\}%
7759 \maketitledetailsnewline%
7760 \addresssymbol~\[\@address}%
7761 \ifthenelse{\isundefined{\@mobile}}{\}\{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
7762 \ifthenelse{\isundefined{\@phone}}{\}\{\}\maketitledetailsnewline\phonesymbol~\@phone}%
7763 \ifthenelse{\isundefined{\@fax}}{\}\{\}\maketitledetailsnewline\faxsymbol~\@fax}%
7764 \ifthenelse{\isundefined{\@email}}{\}\{\}\maketitledetailsnewline\emailsymbol~\@email}%

```



```

7765 \ifthenelse{\isundefined{\@extrainfo}}{\@maketitledetailsnewline\@extrainfo}%
7766 \end{minipage}%
7767 % optional photo
7768 \ifthenelse{\isundefined{\@photo}}%
7769 {}%
7770 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\ma
7771 % optional quote
7772 \ifthenelse{\isundefined{\@quote}}%
7773 {}%
7774 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[/[
7775 }

```

46 File dblfnote-xetex-bidi.def

```

7776 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package ]
7777 \let\autofootnoterule\relax
7778 \let\rightfootnoterule\relax
7779 \let\leftfootnoterule\relax
7780 \let\textwidthfootnoterule\relax
7781 \let\LRfootnoterule\relax
7782 \def\footnoterule{\kern-3\p@
7783 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7784 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7785 \let\@footnotetext\dfn@footnotetext}
7786 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7787 \let\insert\dfn@gobble
7788 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7789 \def\@makefnmark{\smash{\dfn@makefnmark}}
7790 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7791 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7792 \ifdim\dfn@dima>\z@else
7793 \dfn@dima1sp\relax
7794 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7795 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7796 \ifvoid\dfn@ins\else
7797 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7798 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7799 \setbox\dfn@boxa\copy\dfn@ins
7800 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7801 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7802 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7803 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7804 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7805 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7806 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7807 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7808 \let\insert\dfn@gobble
7809 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7810 \def\@makefnmark{\smash{\dfn@makefnmark}}
7811 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%

```



```

7812 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7813 \ifdim\dfn@dima>\z@\else
7814 \dfn@dima\isp\relax
7815 \setbox\dfn@boxa\vbox{\vbox to\isp{\unvbox\dfn@boxa\vfil}}\fi
7816 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7817 \ifvoid\dfn@ins\else
7818 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7819 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7820 \setbox\dfn@boxa\copy\dfn@ins
7821 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7822 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7823 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7824 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7825 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7826 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7827 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7828 \def\dfn@RTLmakecol{{\ifvoid\footins\else
7829 \dfn@dima\ht\footins
7830 \@tempcnta\z@ \dfn@countins
7831 \@tempdima\z@ \let\@elt\dfn@elt@getht
7832 \dfn@list\@nil
7833 \ifdim\@tempdima=\z@\else
7834 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7835 \global\setbox\dfn@ins\box\dfn@ins
7836 \@tempwattrue
7837 \ifdfn@trysingle
7838 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7839 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7840 \advance\@tempdima-\skip\footins
7841 \advance\@tempdima-\ht\dfn@boxa
7842 \ifdim\@tempdima<\z@\else \@tempwafalse
7843 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7844 \footnoterule \unvbox\dfn@boxa}\fi\fi
7845 \if@tempswa
7846 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7847 \global\setbox\footins\vbox{\hbox{%
7848 \hskip \DFNcolumnwidth
7849 \hskip\DFNcolumnsep
7850 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7851 \unvbox\dfn@boxb\vss}\hss}
7852 \hskip -\textwidth
7853 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7854 \vbox to\@tempdima{
7855 \setbox\@tempboxa\vbox{\footnoterule}
7856 \ifdfn@ruleboth \unvbox\@tempboxa
7857 \else \@tempdima\ht\@tempboxa
7858 \advance\@tempdima\dp\@tempboxa
7859 \vskip\@tempdima
7860 \prevdepth\dp\@tempboxa \fi
7861 \unvbox\dfn@boxa\vss}\fi\hss}

```



```

7862             \hskip \DFNcolumnsep
7863             \hskip \DFNcolumnwidth}}\fi\fi
7864 \global\dfn@fnht\z@
7865 \ifx\dfn@list\@empty\else
7866     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7867     \dfn@list \global\advance\dfn@fnht\dfn@dimb
7868     \let\@elt\relax
7869     \ifdim\dfn@dimb>\z@
7870         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7871         \insert\footins{\floatingpenalty\@MM
7872             \vbox to\dfn@dimb{}}\fi
7873     \ifdim\dfn@fnht>\@tempdima
7874         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7875         \global\dfn@fnht\@tempdima
7876         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7877         \xdef\dfn@afteroutput{\insert\footins{
7878             \floatingpenalty\@MM
7879             \vbox to\number\@tempdimb sp{}}}%
7880         \global\let\noexpand\dfn@afteroutput\relax}%
7881     \fi\fi
7882 \fi}%
7883 \let\footnoterule\relax \dfn@latex@makecol
7884 \let\footnoterule\dfn@footnoterule}
7885 \def\dfn@LTRmakecol{\ifvoid\footins\else
7886     \dfn@dima\ht\footins
7887     \@tempcnta\z@ \dfn@countins
7888     \@tempdima\z@ \let\@elt\dfn@elt@getht
7889     \dfn@list\@nil
7890     \ifdim\@tempdima=\z@\else
7891     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7892     \global\setbox\dfn@ins\box\dfn@ins
7893     \@tempwattrue
7894     \ifdfn@trysingle
7895         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7896         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7897         \advance\@tempdima-\skip\footins
7898         \advance\@tempdima-\ht\dfn@boxa
7899         \ifdim\@tempdima<\z@\else \@tempswafalse
7900             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7901                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7902     \if@tempswa
7903     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7904     \global\setbox\footins\vbox{\hbox{%
7905         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7906             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7907         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7908             \vbox to\@tempdima{
7909                 \setbox\@tempboxa\vbox{\footnoterule}
7910                 \ifdfn@ruleboth \unvbox\@tempboxa
7911                 \else \@tempdima\ht\@tempboxa

```



```

7912                                     \advance\@tempdima\dp\@tempboxa
7913                                     \vskip\@tempdima
7914                                     \prevdepth\dp\@tempboxa \fi
7915                                     \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7916 \global\dfn@fnht\z@
7917 \ifx\dfn@list\@empty\else
7918     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7919     \dfn@list \global\advance\dfn@fnht\dfn@dimb
7920     \let\@elt\relax
7921     \ifdim\dfn@dimb>\z@
7922         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7923         \insert\footins{\floatingpenalty\@MM
7924             \vbox to\dfn@dimb{}}}\fi
7925     \ifdim\dfn@fnht>\@tempdima
7926         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7927         \global\dfn@fnht\@tempdima
7928         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}}%
7929         \xdef\dfn@afteroutput{\insert\footins{
7930             \floatingpenalty\@MM
7931             \vbox to\number\@tempdimb sp{}}}%
7932         \global\let\noexpand\dfn@afteroutput\relax}%
7933     \fi\fi
7934 \fi}%
7935 \let\footnoterule\relax \dfn@latex@makecol
7936 \let\footnoterule\dfn@footnoterule}
7937 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7938 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7939 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7940 \DFNalwaysdouble

```

47 File diagbox-xetex-bidi.def

```

7941 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
7942 \bidi@patchcmd{\diagbox@double}{\%
7943     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7944 }{\bidi@@diagbox@double@ii}{\{}
7945 \bidi@patchcmd{\diagbox@double}{\%
7946     \begin{tabular}{@{\hspace{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7947 }{\bidi@@diagbox@double@iii}{\{}
7948 \newcommand*{\bidi@@diagbox@double@ii}{\%
7949     \if@RTL
7950     \begin{tabular}{@{\hspace{\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
7951     \else
7952     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7953     \fi
7954 }
7955 \newcommand*{\bidi@@diagbox@double@iii}{\%
7956     \if@RTL
7957     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7958     \else

```



```

7959 \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7960 \fi
7961 }
7962 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7963 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7964 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7965 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7966 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7967 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7968 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7969 \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7970 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
7971 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
7972 \if@RTL
7973 \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
7974 \else
7975 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7976 \fi}
7977 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
7978 \if@RTL
7979 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7980 \else
7981 \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7982 \fi}
7983 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
7984 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7985 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
7986 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
7987 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7988 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7989 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7990 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7991 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7992 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7993 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
7994 \if@RTL
7995 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}}
7996 \else
7997 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
7998 \fi
7999 }
8000 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
8001 \if@RTL
8002 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8003 \else
8004 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}
8005 \fi
8006 }
8007 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
8008 \bidi@patchcmd{\diagbox@double@pict@SE}{%

```



```

8009 \diagbox@setlinecolor
8010 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8011 }{%
8012 {\diagbox@setlinecolor
8013 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
8014 }{}{}
8015 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
8016 \bidi@patchcmd{\diagbox@double@pict@NE}{%
8017 \diagbox@setlinecolor
8018 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8019 }{%
8020 {\diagbox@setlinecolor
8021 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8022 }{}{}
8023 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8024 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8025 \diagbox@setlinecolor
8026 \Line(0,\yym)(\x,0)
8027 \Line(\xm,\y)(\x,0)}%
8028 }{%
8029 {\diagbox@setlinecolor
8030 \Line(0,\yym)(\x,0)
8031 \Line(\xm,\y)(\x,0)}%
8032 }{}{}
8033 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8034 \diagbox@setlinecolor
8035 \Line(0,0)(\xxm,\y)
8036 \Line(0,0)(\x,\yym)}%
8037 }{%
8038 {\diagbox@setlinecolor
8039 \Line(0,0)(\xxm,\y)
8040 \Line(0,0)(\x,\yym)}%
8041 }{}{}
8042 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8043 \diagbox@setlinecolor
8044 \Line(0,\ym)(\x,\y)
8045 \Line(\xm,0)(\x,\y)}%
8046 }{%
8047 {\diagbox@setlinecolor
8048 \Line(0,\ym)(\x,\y)
8049 \Line(\xm,0)(\x,\y)}%
8050 }{}{}
8051 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8052 \diagbox@setlinecolor
8053 \Line(0,\y)(\xxm,0)
8054 \Line(0,\y)(\x,\ym)}%
8055 }{%
8056 {\diagbox@setlinecolor
8057 \Line(0,\y)(\xxm,0)
8058 \Line(0,\y)(\x,\ym)}%

```




```
8059 }{}{}
```

48 File draftwatermark-xetex-bidi.def

```
8060 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8061 \renewcommand\SetWatermarkText[1]{%
8062   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}
```

49 File eso-pic-xetex-bidi.def

```
8063 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
8064 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8065   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}%
8066
8067 \ESO@isMEMOIR{%
8068   \renewcommand\AtTextUpperLeft[1]{%
8069     \begingroup
8070       \ifodd\c@page
8071         \@tempdima=\spinemargin
8072       \else
8073         \@tempdima=\paperwidth
8074         \advance\@tempdima-\textwidth
8075         \advance\@tempdima-\spinemargin
8076       \fi
8077       \@tempdimb=-\uppermargin
8078       \AtPageUpperLeft{%
8079         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}}%
8080     }%
8081   \endgroup
8082 }
8083 }{%
8084   \renewcommand\AtTextUpperLeft[1]{%
8085     \begingroup
8086       \@tempdima=1in\relax
8087       \ifodd\c@page
8088         \advance\@tempdima\oddsidemargin
8089       \else
8090         \advance\@tempdima\evensidemargin
8091       \fi
8092       \@tempdimb=-1in\relax
8093       \advance\@tempdimb-\topmargin
8094       \advance\@tempdimb-\headheight
8095       \advance\@tempdimb-\headsep
8096       \AtPageUpperLeft{%
8097         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}}%
8098     }%
8099   \endgroup
8100 }
8101 }
```



50 File empheq-xetex-bidi.def

```

8102 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for X
8103 \MHInternalSyntaxOn
8104 \def\EQ_tag_plus_endmark:{%
8105   \iftagsleft@
8106     \gdef\maketag@@@##1{%
8107       \hfuzz\displaywidth
8108       \if@RTL\makebox[\widthof{##1}][r]{%
8109         \hbox to \displaywidth{\m@th\normalfont##1\hss
8110           \raisebox{-\dp\EQ_mathdisplay_box
8111             -\depthof{\EQ_outerbox:}}{
8112               {\PotEndMark{\hss}}}}
8113       \else\makebox[\widthof{##1}][l]{%
8114         \hbox to \displaywidth{\m@th\normalfont##1\hss
8115           \raisebox{-\dp\EQ_mathdisplay_box
8116             -\depthof{\EQ_outerbox:}}{
8117               {\PotEndMark{\hss}}}}}\fi}%
8118 \MH_else:
8119   \gdef\maketag@@@##1{%
8120     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
8121       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
8122     \MH_addtolength:dn \@tempdima
8123       {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8124     \setlength{\@tempdimb}
8125       {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
8126       +\depthof{\EQ_innerbox:}}}}
8127     \MH_if_dim:w \@tempdima>\@tempdimb
8128     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8129       -\@tempdima+\g_EQ_bottomrow_depth_dim}
8130     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
8131     \def\EQ_next:{\raisebox{\@tempdima}}%
8132   \MH_else:
8133     \def\EQ_next:{
8134       \raisebox{-\dp\EQ_mathdisplay_box
8135         -\depthof{\EQ_outerbox:}}{}}%
8136     \MH_fi:\EQ_next:}}}%
8137 \MH_fi:}
8138 \def\EQ_post_process:{%
8139   \EQ_initialize:
8140   \EQ_begin_equation:
8141   \MH_if_boolean:nT {outer_mult}{
8142     \setkeys{\MT_options_name:}{
8143       firstline-afterskip=0pt,
8144       lastline-preskip=0pt,
8145       multlined-width=0pt,
8146     }
8147     \ifodd \l_EQ_alignmentmode_int
8148       \setkeys{\MT_options_name:}{multlined-pos=b}
8149   \MH_else:

```



```

8150     \setkeys{\MT_options_name:}{multlined-pos=t}
8151     \MH_fi:
8152     \g@addto@macro\EQ_complete_mathdisplay:{
8153       \begin{MTmultlined}\relax}
8154   }
8155   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8156   \MH_if_boolean:nT {outer_mult}{
8157     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8158   }
8159   \EQ_end_equation:
8160   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8161   \savecounters@
8162   \EQ_typeset_tags:
8163   \edef\l_EQ_equation_fint{\number\c@equation}
8164   \restorecounters@
8165   \Hy@linkcounter=\EQ_hyperref_link_fint
8166   \settowidth\l_EQ_totalwidth_dim{%
8167     $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
8168   \MH_if_boolean:nTF {outer_mult}
8169     { \def\EQ_next:{_mult} }
8170     { \def\EQ_next:{} }
8171   \@nameuse{EQ_modify_linewidth_
8172     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8173   \EQ_typeset_display:
8174   \@nameuse{EQ_find_displaywidth_
8175     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8176   \MH_addtolength:dn
8177     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8178   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8179     $\EQ_left_side:
8180     \EQ_innerbox:{%
8181       \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8182       \makebox[\l_EQ_displaywidth_dim][c]
8183         {\usebox{\EQ_mathdisplay_box}}}%
8184     \MH_or:
8185       \makebox[\l_EQ_displaywidth_dim][c]
8186         {\usebox{\EQ_mathdisplay_box}}}%
8187     \MH_or:
8188       \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8189         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8190           \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8191             \kern-\@mathmargin
8192             \MH_fi:
8193             \MH_fi:
8194             \usebox{\EQ_mathdisplay_box}}}%
8195       \else\makebox[\l_EQ_displaywidth_dim][l]{%
8196         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8197           \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8198             \kern-\@mathmargin
8199             \MH_fi:

```



```

8200         \MH_fi:
8201         \usebox{\EQ_mathtdisplay_box}}\fi%
8202     \MH_or:
8203     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8204         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8205         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8206         \kern-\@mathmargin
8207         \MH_fi:
8208         \MH_fi:
8209         \usebox{\EQ_mathtdisplay_box}}
8210     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8211         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8212         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8213         \kern-\@mathmargin
8214         \MH_fi:
8215         \MH_fi:
8216         \usebox{\EQ_mathtdisplay_box}}\fi%
8217     \MH_fi:}%
8218     \EQ_right_side:$}%
8219 \begin{AmSequation*}
8220 \@nameuse{EQ_place_display_
8221     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8222 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8223 \MH_set_boolean_T:n {show_manual_tags}
8224     \MH_if_case:w \l_EQ_alignmentmode_int
8225     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
8226     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
8227     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
8228     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
8229     \MH_fi:
8230 \MH_fi:
8231 \end{AmSequation*}
8232 \global\c@equation=\l_EQ_equation_fint\relax
8233 }
8234 \AtBeginDocument{%
8235     \@ifpackageloaded{fancybox}{%
8236         \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8237         {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
8238         \renewcommand*{\shadowbox{%
8239             \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
8240                 \VerbBox\EQ_shadowbox:n}
8241                 {\MH_set_boolean_F:n {shadowbox_star}
8242                 \VerbBox\EQ_shadowbox:n}}
8243         \def\EQ_shadowbox:n #1{%
8244             \sbox{\z@}{\fbox{#1}}}%
8245             \MH_if_boolean:nTF {shadowbox_star}{
8246                 \MH_setlength:dn \@tempdima{\z@}%
8247             }{
8248                 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8249             }

```



```

8250 \raisebox{\@tempdima}{%
8251 \if@RTL\makebox[\z@][r]{%
8252 \kern\shadowsize \textcolor{shadowcolor}{%
8253 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8254 }%
8255 \else\makebox[\z@][l]{%
8256 \kern\shadowsize \textcolor{shadowcolor}{%
8257 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8258 }\fi%
8259 \usebox\z@\textcolor{shadowcolor}{%
8260 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8261 }{}%
8262 }
8263 \MHInternalSyntaxOff

```

51 File extarticle-xetex-bidi.def

```

8264 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8265 \renewcommand*\l@section[2]{%
8266 \ifnum \c@tocdepth >\z@
8267 \addpenalty\@secpenalty
8268 \addvspace{1.0em \@plus\p@}%
8269 \setlength\@tempdima{1.5em}%
8270 \begingroup
8271 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8272 \parfillskip -\@pnumwidth
8273 \leavevmode \bfseries
8274 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8275 \hskip -\if@RTL\rightskip\else\leftskip\fi
8276 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8277 \endgroup
8278 \fi}
8279 \renewcommand*\l@part[2]{%
8280 \ifnum \c@tocdepth >-2\relax
8281 \addpenalty\@secpenalty
8282 \addvspace{2.25em \@plus\p@}%
8283 \begingroup
8284 \setlength\@tempdima{3em}%
8285 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8286 \parfillskip -\@pnumwidth
8287 {\leavevmode
8288 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8289 \nobreak
8290 \endgroup
8291 \fi}
8292 \def\@part[#1]#2{%
8293 \ifnum \c@secnumdepth >\m@ne
8294 \refstepcounter{part}%
8295 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8296 \else

```



```

8297 \addcontentsline{toc}{part}{#1}%
8298 \fi
8299 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8300 \interlinepenalty \@M
8301 \normalfont
8302 \ifnum \c@secnumdepth >\m@ne
8303 \Large\bfseries \partname~\thepart
8304 \par\nobreak
8305 \fi
8306 \huge \bfseries #2%
8307 \markboth{}{}\par}%
8308 \nobreak
8309 \vskip 3ex
8310 \@afterheading}
8311 \def\@spart#1{%
8312 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8313 \interlinepenalty \@M
8314 \normalfont
8315 \huge \bfseries #1\par}%
8316 \nobreak
8317 \vskip 3ex
8318 \@afterheading}
8319 \renewenvironment{thebibliography}[1]
8320 {\section*{\refname
8321 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8322 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8323 \bidi@thebibliography@font@hook%
8324 \list{\@biblabel{\@arabic\c@enumiv}}%
8325 {\settowidth\labelwidth{\@biblabel{#1}}%
8326 \leftmargin\labelwidth
8327 \advance\leftmargin\labelsep
8328 \@openbib@code
8329 \usecounter{enumiv}%
8330 \let\p@enumiv\@empty
8331 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8332 \sloppy\clubpenalty4000\widowpenalty4000%
8333 \sfcode`.\@m}
8334 {\def\@noitemerr
8335 {\@latex@warning{Empty `thebibliography' environment}}%
8336 \endlist}
8337 \renewcommand\left@footnoterule{%
8338 \kern-3\p@
8339 \hrule\@width.4\columnwidth
8340 \kern2.6\p@}
8341 \renewcommand\right@footnoterule{%
8342 \kern-3\p@
8343 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8344 \kern2.6\p@}
8345 \if@titlepage
8346 \renewcommand\maketitle{\begin{titlepage}%

```



```

8347 \let\footnotesize\small
8348 \let\right@footnoterule\relax
8349 \let\left@footnoterule\relax
8350 \let\textwidth@footnoterule\relax
8351 \let \footnote \thanks
8352 \null\vfil
8353 \vskip 60\p@
8354 \begin{center}%
8355   {\LARGE \@title \par}%
8356   \vskip 3em%
8357   {\large
8358     \lineskip .75em%
8359     \begin{tabular}[t]{c}%
8360       \@author
8361     \end{tabular}\par}%
8362     \vskip 1.5em%
8363     {\large \@date \par}%           % Set date in \large size.
8364 \end{center}\par
8365 \@thanks
8366 \vfil\null
8367 \end{titlepage}%
8368 \setcounter{footnote}{0}%
8369 \global\let\thanks\relax
8370 \global\let\maketitle\relax
8371 \global\let\@thanks\@empty
8372 \global\let\@author\@empty
8373 \global\let\@date\@empty
8374 \global\let\@title\@empty
8375 \global\let\title\relax
8376 \global\let\author\relax
8377 \global\let\date\relax
8378 \global\let\and\relax
8379 }
8380 \else
8381 \renewcommand\maketitle{\par
8382   \begingroup
8383     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8384     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8385     \long\def\@makefntext##1{\parindent 1em\noindent
8386       \hb@xt@1.8em{%
8387         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8388     \if@twocolumn
8389       \ifnum \col@number=\@ne
8390         \@maketitle
8391       \else
8392         \twocolumn[\@maketitle]%
8393       \fi
8394     \else
8395       \newpage
8396       \global\@topnum\z@      % Prevents figures from going at top of page.

```



```

8397     \@maketitle
8398     \fi
8399     \thispagestyle{plain}\@thanks
8400 \endgroup
8401 \setcounter{footnote}{0}%
8402 \global\let\thanks\relax
8403 \global\let\maketitle\relax
8404 \global\let\@maketitle\relax
8405 \global\let\@thanks\@empty
8406 \global\let\@author\@empty
8407 \global\let\@date\@empty
8408 \global\let\@title\@empty
8409 \global\let\title\relax
8410 \global\let\author\relax
8411 \global\let\date\relax
8412 \global\let\and\relax
8413 }
8414 \def\@maketitle{%
8415   \newpage
8416   \null
8417   \vskip 2em%
8418   \begin{center}%
8419     \let \footnote \thanks
8420     {\LARGE \@title \par}%
8421     \vskip 1.5em%
8422     {\large
8423       \lineskip .5em%
8424       \begin{tabular}[t]{c}%
8425         \@author
8426       \end{tabular}\par}%
8427     \vskip 1em%
8428     {\large \@date}%
8429   \end{center}%
8430   \par
8431   \vskip 1.5em}
8432 \fi
8433 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8434 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8435 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8436 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

52 File extbook-xetex-bidi.def

```

8437 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8438 \if@titlepage
8439 \renewcommand\maketitle{\begin{titlepage}%
8440 \let\footnotesize\small
8441 \let\right@footnoterule\relax
8442 \let\left@footnoterule\relax
8443 \let\textwidth\footnoterule\relax

```




```

8444 \let \footnote \thanks
8445 \let \LTRfootnote \LTRthanks
8446 \let \RTLfootnote \RTLthanks
8447 \null\vfil
8448 \vskip 60\p@
8449 \begin{center}%
8450   {\LARGE \@title \par}%
8451   \vskip 3em%
8452   {\large
8453     \lineskip .75em%
8454     \begin{tabular}[t]{c}%
8455       \@author
8456       \end{tabular}\par}%
8457     \vskip 1.5em%
8458     {\large \@date \par}%           % Set date in \large size.
8459 \end{center}\par
8460 \@thanks
8461 \vfil\null
8462 \end{titlepage}%
8463 \setcounter{footnote}{0}%
8464 \global\let\thanks\relax
8465 \global\let\LTRthanks\relax
8466 \global\let\RTLthanks\relax
8467 \global\let\maketitle\relax
8468 \global\let\@thanks\@empty
8469 \global\let\@author\@empty
8470 \global\let\@date\@empty
8471 \global\let\@title\@empty
8472 \global\let\title\relax
8473 \global\let\author\relax
8474 \global\let\date\relax
8475 \global\let\and\relax
8476 }
8477 \else
8478 \renewcommand\maketitle{\par
8479   \begin{group
8480     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8481     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8482     \long\def\@makefntext##1{\parindent 1em\noindent
8483       \hb@xt@1.8em{%
8484         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8485     \if@twocolumn
8486       \ifnum \col@number=\@ne
8487         \@maketitle
8488       \else
8489         \twocolumn[\@maketitle]%
8490       \fi
8491     \else
8492       \newpage
8493       \global\@topnum\z@      % Prevents figures from going at top of page.

```



```

8494     \@maketitle
8495     \fi
8496     \thispagestyle{plain}\@thanks
8497 \endgroup
8498 \setcounter{footnote}{0}%
8499 \global\let\thanks\relax
8500 \global\let\LTRthanks\relax
8501 \global\let\RTLthanks\relax
8502 \global\let\maketitle\relax
8503 \global\let\@maketitle\relax
8504 \global\let\@thanks\@empty
8505 \global\let\@author\@empty
8506 \global\let\@date\@empty
8507 \global\let\@title\@empty
8508 \global\let\title\relax
8509 \global\let\author\relax
8510 \global\let\date\relax
8511 \global\let\and\relax
8512 }
8513 \def\@maketitle{%
8514   \newpage
8515   \null
8516   \vskip 2em%
8517   \begin{center}%
8518     \let \footnote \thanks
8519     \let \LTRfootnote \LTRthanks
8520     \let \RTLfootnote \RTLthanks
8521     {\LARGE \@title \par}%
8522     \vskip 1.5em%
8523     {\large
8524       \lineskip .5em%
8525       \begin{tabular}[t]{c}%
8526         \@author
8527       \end{tabular}\par}%
8528     \vskip 1em%
8529     {\large \@date}%
8530   \end{center}%
8531   \par
8532   \vskip 1.5em}
8533 \fi
8534 \renewcommand*\l@part[2]{%
8535   \ifnum \c@tocdepth >-2\relax
8536     \addpenalty{-\@highpenalty}%
8537     \addvspace{2.25em \@plus\p}%
8538     \begingroup
8539       \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
8540       \parfillskip -\@pnumwidth
8541       {\leavevmode
8542         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8543       \nobreak

```



```

8544         \global\@nobreaktrue
8545         \everypar{\global\@nobreakfalse\everypar{}}%
8546     \endgroup
8547 \fi}
8548 \renewcommand\theequation
8549 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8550 \renewcommand \thefigure
8551 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8552 \renewcommand \thetable
8553 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8554 \renewcommand \thechapter {\@arabic\c@chapter}
8555 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8556 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8557 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8558 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8559 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8560 \def\@makechapterhead#1{%
8561     \vspace*{50\p@}%
8562     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8563         \ifnum \c@secnumdepth >\m@ne
8564             \if@mainmatter
8565                 \huge\bfseries \@chapapp\space \thechapter
8566                 \par\nobreak
8567                 \vskip 20\p@
8568             \fi
8569             \fi
8570             \interlinepenalty\@M
8571             \Huge \bfseries #1\par\nobreak
8572             \vskip 40\p@
8573     }}
8574
8575 \def\@makeschapterhead#1{%
8576     \vspace*{50\p@}%
8577     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8578         \normalfont
8579         \interlinepenalty\@M
8580         \Huge \bfseries #1\par\nobreak
8581         \vskip 40\p@
8582     }}
8583 \renewcommand\backmatter{%
8584     \if@openright
8585         \cleardoublepage
8586     \else
8587         \clearpage
8588     \fi
8589     \@mainmatterfalse}
8590 \renewenvironment{thebibliography}[1]
8591 {\chapter*{\bibname
8592     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8593     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

8594 \bidi@thebibliography@font@hook%
8595 \list{\@biblabel{\@arabic\c@enumiv}}%
8596     {\settowidth\labelwidth{\@biblabel{#1}}%
8597      \leftmargin\labelwidth
8598      \advance\leftmargin\labelsep
8599      \@openbib@code
8600      \usecounter{enumiv}%
8601      \let\p@enumiv\@empty
8602      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8603 \sloppy
8604 \clubpenalty4000
8605 \@clubpenalty \clubpenalty
8606 \widowpenalty4000%
8607 \sfcode`\.\@m}
8608 {\def\@noitemerr
8609  {\@latex@warning{Empty `thebibliography' environment}}}%
8610 \endlist}

```

53 File extletter-xetex-bidi.def

```

8611 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8612 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
8613 \thispagestyle{firstpage}%
8614 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8615 \else % home address
8616 \thispagestyle{empty}%
8617 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8618 \fromaddress \*[2\parskip]%
8619 \@date \end{tabular}\par}%
8620 \fi
8621 \vspace{2\parskip}%
8622 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
8623 \vspace{2\parskip}%
8624 #1\par\nobreak}
8625 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8626 \stopbreaks
8627 \noindent
8628 \ifx\@empty\fromaddress\else
8629 \hspace*{\longindentation}\fi
8630 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8631 \ignorespaces #1\|[6\medskipamount]}%
8632 \ifx\@empty\fromsig
8633 \fromname
8634 \else \fromsig \fi\strut}%
8635 \par}
8636 \renewcommand\left@footnoterule{%
8637 \kern-\p@
8638 \hrule \@width .4\columnwidth
8639 \kern .6\p@}
8640 \renewcommand\right@footnoterule{%

```



```

8641 \kern-\p@
8642 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8643 \kern .6\p@}

```

54 File extrafootnotefeatures-xetex-bidi.def

```

8644 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote featur
8645 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{\%
8646 \if@bidi@csundef{ifHy@hyperfootnotes}{\}%
8647 \if@bidi@csundef{HLTR@LRTLfootnotetext}{\}%
8648 \ifHy@hyperfootnotes
8649 \let\@H@footnotetext\@footnotetext
8650 \let\@HLTR@LRTLfootnotetext\@LRTLfootnotetext
8651 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8652 \let\@H@mpfootnotetext\@mpfootnotetext
8653 \let\@HLTR@mpLRTLfootnotetext\@mpLRTLfootnotetext
8654 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8655 \fi
8656 }%
8657 }%
8658 }
8659 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{\%
8660 \if@bidi@csundef{ifHy@hyperfootnotes}{\}%
8661 \if@bidi@csundef{HLTR@LRTLfootnotetext}{\}%
8662 \ifHy@hyperfootnotes
8663 \let\H@footnotetext\@footnotetext
8664 \let\@footnotetext\@H@footnotetext
8665 \let\HLTR@LRTLfootnotetext\@LRTLfootnotetext
8666 \let\@LRTLfootnotetext\@HLTR@LRTLfootnotetext
8667 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
8668 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
8669 \let\H@mpfootnotetext\@mpfootnotetext
8670 \let\@mpfootnotetext\@H@mpfootnotetext
8671 \let\HLTR@mpLRTLfootnotetext\@mpLRTLfootnotetext
8672 \let\@mpLRTLfootnotetext\@HLTR@mpLRTLfootnotetext
8673 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8674 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
8675 \fi
8676 }%
8677 }%
8678 }
8679 \let\autofooterule\relax
8680 \let\rightfootnoterule\relax
8681 \let\leftfootnoterule\relax
8682 \let\textwidthfootnoterule\relax
8683 \let\LRfootnoterule\relax
8684 \def\footnoterule{\kern-3\p@
8685 \hrule \@width \columnwidth \kern 2.6\p@}
8686 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8687 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}

```



```

8688 \renewcommand{\@footnotetext}[1]{%
8689     \insert\footins{%
8690         \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8691         \def\baselinestretch{\m@m@footnote@spacing}%
8692         \reset@font
8693         \foottextfont
8694         \@preamfntext
8695         \hsize\columnwidth
8696         \protected@edef\@currentlabel{%
8697             \csname p@footnote\endcsname\@thefnmark}%
8698         \color@begingroup
8699             \makefnfntext{%
8700                 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8701                 \@finalstrut\strutbox}%
8702             \color@endgroup}%
8703     \m@m@mmf@prepare}
8704 \renewcommand{\@RTLfootnotetext}[1]{%
8705     \insert\footins{%
8706         \@RTLtrue%
8707         \def\baselinestretch{\m@m@footnote@spacing}%
8708         \reset@font
8709         \RTLfoottextfont
8710         \@preamfntext
8711         \hsize\columnwidth
8712         \protected@edef\@currentlabel{%
8713             \csname p@footnote\endcsname\@thefnmark}%
8714         \color@begingroup
8715             \makefnfntext{%
8716                 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8717                 \@finalstrut\strutbox}%
8718             \color@endgroup}%
8719     \m@m@mmf@prepare}
8720 \renewcommand{\@LTRfootnotetext}[1]{%
8721     \insert\footins{%
8722         \@RTLfalse%
8723         \def\baselinestretch{\m@m@footnote@spacing}%
8724         \reset@font
8725         \LTRfoottextfont
8726         \@preamfntext
8727         \hsize\columnwidth
8728         \protected@edef\@currentlabel{%
8729             \csname p@footnote\endcsname\@thefnmark}%
8730         \color@begingroup
8731             \makefnfntext{%
8732                 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8733                 \@finalstrut\strutbox}%
8734             \color@endgroup}%
8735     \m@m@mmf@prepare}
8736 \renewcommand{\@mpfootnotetext}[1]{%
8737     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

8738 \unvbox\@mpfootins
8739 \def\baselinestretch{\m@m@footnote@spacing}%
8740 \foottextfont \hsize\columnwidth \@parboxrestore
8741 \protected@edef\@currentlabel{%
8742   \csname p@mpfootnote\endcsname\@thefnmark}%
8743 \color@begingroup
8744 \reset@font%
8745 \@makefnint{%
8746   \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8747   \@finalstrut\strutbox}%
8748 \color@endgroup}}
8749 \renewcommand{\@mpLTRfootnotetext}[1]{%
8750 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8751   \unvbox\@mpfootins
8752   \def\baselinestretch{\m@m@footnote@spacing}%
8753   \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8754   \protected@edef\@currentlabel{%
8755     \csname p@mpfootnote\endcsname\@thefnmark}%
8756   \color@begingroup
8757   \reset@font%
8758   \@makefnint{%
8759     \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8760     \@finalstrut\strutbox}%
8761   \color@endgroup}}
8762 \renewcommand{\@mpRTLfootnotetext}[1]{%
8763 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8764   \unvbox\@mpfootins
8765   \def\baselinestretch{\m@m@footnote@spacing}%
8766   \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8767   \protected@edef\@currentlabel{%
8768     \csname p@mpfootnote\endcsname\@thefnmark}%
8769   \color@begingroup
8770   \reset@font%
8771   \@makefnint{%
8772     \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8773     \@finalstrut\strutbox}%
8774   \color@endgroup}}
8775 \let\m@mold@footnotetext\@footnotetext
8776 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8777 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8778 \let\m@mold@mpfootnotetext\@mpfootnotetext
8779 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8780 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8781 \bidi@ensure@newcommand{\normalfootnotes}{%
8782   \@bidi@before@Hy@hyperfootnotes
8783   \let\@footnotetext\m@mold@footnotetext
8784   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8785   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8786   \let\@mpfootnotetext\m@mold@mpfootnotetext
8787   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext

```



```

8788 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8789 \@bidi@after@Hy@hyperfootnotes}
8790 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8791 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruer}
8792 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8793 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8794 \def\m@m@singleSpace{#1}%
8795 \def\m@m@footnote@spacing{#1}%
8796 \def\m@m@float@spacing{#1} %
8797 }
8798 \setSingleSpace{1}
8799 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8800 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
8801 \kern-\multiplefootnotemarker
8802 \kern-\multiplefootnotemarker\relax}
8803 \bidi@ensure@newlength{\footmarkwidth}
8804 \bidi@ensure@newlength{\footmarksep}
8805 \bidi@ensure@newlength{\footparindent}
8806 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8807 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8808 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8809 \bidi@ensure@newcommand{\footfootmark}{%
8810 \ifdim\footmarkwidth < \z@
8811 \llap{\hb@xt@ -\footmarkwidth{%
8812 \hss\normalfont\footscript{\@thefnmark}}}%
8813 \hspace*{-\footmarkwidth}}%
8814 \else
8815 \ifdim\footmarkwidth = \z@
8816 {\normalfont\footscript{\@thefnmark}}%
8817 \else
8818 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8819 \fi
8820 \fi}
8821 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8822 \ifdim\footmarkwidth < \z@
8823 \llap{\hb@xt@ -\footmarkwidth{%
8824 \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8825 \hspace*{-\footmarkwidth}}%
8826 \else
8827 \ifdim\footmarkwidth = \z@
8828 {\normalfont\LTRfootscript{\@thefnmark}}%
8829 \else
8830 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8831 \fi
8832 \fi}
8833 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8834 \ifdim\footmarkwidth < \z@
8835 \llap{\hb@xt@ -\footmarkwidth{%
8836 \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8837 \hspace*{-\footmarkwidth}}%

```




```

8838 \else
8839 \ifdim\footmarkwidth = \z@
8840 {\normalfont\RTLfootscript{\@thefnmark}}%
8841 \else
8842 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8843 \fi
8844 \fi}
8845 \footmarkstyle{\textsuperscript{#1}}
8846 \LTRfootmarkstyle{\textsuperscript{#1}}
8847 \RTLfootmarkstyle{\textsuperscript{#1}}
8848 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8849 \setlength{\footparindent}{1em}
8850 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8851 \bidi@ensure@newcommand*{\extrafeetins}{%
8852 \setbox\@outputbox \vbox{%
8853 \boxmaxdepth \@maxdepth
8854 \unvbox\@outputbox
8855 \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8856 \extrafeetinshook}}
8857 \bidi@ensure@newcommand{\extrafeetinshook}{%
8858 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8859 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8860 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8861 \bidi@ensure@newlength{\footinsdim}
8862 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8863 \bidi@ensure@newcommand{\@preamfntext}{%
8864 \interlinepenalty\interfootnotelinepenalty
8865 \floatingpenalty \@MM
8866 \splittopskip=\footnotesep
8867 \splitmaxdepth=\dp\strutbox
8868 \@parboxrestore}
8869 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8870 \extrafeetminihook}
8871 \bidi@ensure@newcommand{\extrafeetendmini}{%
8872 \ifvoid\@mpfootinsv@r\else
8873 \vskip\skip\@mpfootins
8874 \normalcolor\footnoterule\mp@footgroupv@r
8875 \fi
8876 \extrafeetendminihook}
8877 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8878 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8879 \def\endminipage{%
8880 \par
8881 \unskip
8882 \ifvoid\@mpfootins\else
8883 \vskip\skip\@mpfootins
8884 \normalcolor
8885 \footnoterule
8886 \unvbox\@mpfootins
8887 \fi

```



```

8888 \m@doextrafeetendmini
8889 \@minipagefalse
8890 \color@endgroup
8891 \egroup
8892 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8893 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8894 \@namedef{\footstart#1}{%
8895 \bidi@mopfn@bottom
8896 \vskip\bigskipamount
8897 \leftskip=\z@
8898 \rightskip=\z@
8899 \footnoterule}}
8900 \newinsert\footinsv@r
8901 \skip\footinsv@r\bigskipamount
8902 \count\footinsv@r=1000 % no magnification
8903 \dimen\footinsv@r=\footinsdim
8904 \m@make@footstart{v@r}
8905 \bidi@ensure@newcommand{\@footgroupv@r}{%
8906 \newinsert\@mpfootinsv@r
8907 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8908 \newcount\m@m@k \newdimen\m@m@h
8909 \@ifpackageloaded{multicol}{%
8910 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8911 \hsize\textwidth
8912 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8913 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
8914 }{%
8915 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8916 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8917 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
8918 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
8919 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
8920 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
8921 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8922 \setbox2 \vsplit0 to \dimen0
8923 \unvbox2 }
8924 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8925 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
8926 \@bidi@before@Hy@hyperfootnotes
8927 \let\@footnotetext\@twocolfootnotetext
8928 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8929 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8930 \dimen\footinsv@r=2\footinsdim
8931 \count\footinsv@r=500\relax
8932 \m@make@twocol@footgroup{v@r}%
8933 \let\@footgroupv@r\@twocol@footgroupv@r
8934 \let\@mpfootnotetext\@mptwocolfootnotetext
8935 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8936 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8937 \@bidi@after@Hy@hyperfootnotes

```



```

8938 \m@make@mp@twocol@footgroup{v@r}%
8939 \let\mp@footgroupv@r\@mp@twocol@footgroupv@r}
8940 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8941 \def\baselinestretch{\m@mm@footnote@spacing}%
8942 \reset@font\foottextfont
8943 \@preamfntext
8944 \protected@edef\@currentlabel{%
8945 \csname p@footnote\endcsname\@thefnmark}%
8946 \color@begingroup
8947 \@twocolfootfmt{#1}%
8948 \color@endgroup}%
8949 \m@mmf@prepare}
8950 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8951 \def\baselinestretch{\m@mm@footnote@spacing}%
8952 \reset@font\LTRfoottextfont
8953 \@preamfntext
8954 \protected@edef\@currentlabel{%
8955 \csname p@footnote\endcsname\@thefnmark}%
8956 \color@begingroup
8957 \@twocolLTRfootfmt{#1}%
8958 \color@endgroup}%
8959 \m@mmf@prepare}
8960 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\if@RTLtrue%
8961 \def\baselinestretch{\m@mm@footnote@spacing}%
8962 \reset@font\RTLfoottextfont
8963 \@preamfntext
8964 \protected@edef\@currentlabel{%
8965 \csname p@footnote\endcsname\@thefnmark}%
8966 \color@begingroup
8967 \@twocolRTLfootfmt{#1}%
8968 \color@endgroup}%
8969 \m@mmf@prepare}
8970 \bidi@ensure@newcommand{\@preamtwofmt}{%
8971 \hsize .45\hsize
8972 \parindent=\z@
8973 \tolerance=5000\relax
8974 \leavevmode}
8975 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8976 \@preamtwofmt
8977 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8978 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8979 \@preamtwofmt
8980 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8981 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8982 \@preamtwofmt
8983 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8984 \bidi@ensure@newcommand{\@mp@twocolfootnotetext}[1]{%
8985 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8986 \unvbox\@mpfootinsv@r
8987 \def\baselinestretch{\m@mm@footnote@spacing}%

```



```

8988 \reset@font\foottextfont
8989 \hsize\columnwidth \@parboxrestore
8990 \protected@edef\@currentlabel{%
8991 \csname p@mpfootnote\endcsname\@thefnmark}%
8992 \color@begingroup
8993 \@twocolfootfmt{#1}%
8994 \color@endgroup}%
8995 \m@mmlf@prepare}
8996 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8997 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8998 \unvbox\@mpfootinsv@r
8999 \def\baselinestretch{\m@m@footnote@spacing}%
9000 \reset@font\LTRfoottextfont
9001 \hsize\columnwidth \@parboxrestore
9002 \ifRTLcolumnfootnotes\beginL\fi
9003 \protected@edef\@currentlabel{%
9004 \csname p@mpfootnote\endcsname\@thefnmark}%
9005 \color@begingroup
9006 \@twocolLTRfootfmt{#1}%
9007 \color@endgroup}%
9008 \m@mmlf@prepare}
9009 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
9010 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9011 \unvbox\@mpfootinsv@r
9012 \def\baselinestretch{\m@m@footnote@spacing}%
9013 \reset@font\RTLfoottextfont
9014 \hsize\columnwidth \@parboxrestore
9015 \protected@edef\@currentlabel{%
9016 \csname p@mpfootnote\endcsname\@thefnmark}%
9017 \color@begingroup
9018 \@twocolRTLfootfmt{#1}%
9019 \color@endgroup}%
9020 \m@mmlf@prepare}
9021 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
9022 \m@make@twocolfootnotetext{#1}%
9023 \m@make@mptwocolfootnotetext{#1}%
9024 \m@make@twocolfootfmt{#1}%
9025 \m@make@twocol@footgroup{#1}%
9026 \m@make@mptwocol@footgroup{#1}%
9027 \m@make@footstart{#1}%
9028 \bidi@namelongdef{\footnotetext#1}##1{%
9029 \@nameuse{\twocolfootnotetext#1}{##1}}%
9030 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9031 \@nameuse{\mptwocolfootnotetext#1}{##1}}%
9032 \@namedef{\footgroup#1}{\@nameuse{\twocol@footgroup#1}}%
9033 \@namedef{\mp@footgroup#1}{\@nameuse{\mptwocol@footgroup#1}}%
9034 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9035 \expandafter\count\csname footins#1\endcsname=500\relax}
9036 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
9037 \bidi@namelongdef{\twocolfootnotetext#1}##1{%

```



```

9038 \insert\@nameuse{footins#1}{%
9039 \def\baselinestretch{\m@m@footnote@spacing}%
9040 \reset@font\@nameuse{foottextfont#1}%
9041 \@preamfntext
9042 \protected@edef\@currentlabel{%
9043 \csname p@footnote#1\endcsname \@nameuse{thefnmark#1}}%
9044 \color@begingroup
9045 \@nameuse{twocolfootfmt#1}{##1}%
9046 \color@endgroup}%
9047 \m@m@mmf@prepare}}
9048 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
9049 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
9050 \global\setbox\@nameuse{mpfootins#1}\vbox{%
9051 \unvbox\@nameuse{mpfootins#1}
9052 \def\baselinestretch{\m@m@footnote@spacing}%
9053 \reset@font\@nameuse{foottextfont#1}%
9054 \hsize\columnwidth \@parboxrestore
9055 \protected@edef\@currentlabel{%
9056 \csname p@mpfootnote#1\endcsname \@nameuse{thefnmark#1}}%
9057 \color@begingroup
9058 \@nameuse{twocolfootfmt#1}{##1}%
9059 \color@endgroup}\m@m@mmf@prepare}}
9060 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
9061 \@namedef{@twocolfootfmt#1}##1{%
9062 \@preamtwofmt
9063 {\@nameuse{footfootmark#1}\strut
9064 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9065 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
9066 \@namedef{@twocol@footgroup#1}{%
9067 \def\baselinestretch{\m@m@footnote@spacing}%
9068 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9069 \m@m@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
9070 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
9071 \@namedef{@mptwocol@footgroup#1}{%
9072 \def\baselinestretch{\m@m@footnote@spacing}%
9073 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9074 \m@m@rigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
9075 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9076 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9077 \@bidi@before@Hy@hyperfootnotes
9078 \let\@footnotetext\@threecolfootnotetext
9079 \let\@LTRfootnotetext\@threecolLTRfootnotetext
9080 \let\@RTLfootnotetext\@threecolRTLfootnotetext
9081 \dimen\footinsv@r=3\footinsdim
9082 \count\footinsv@r=333\relax
9083 \m@make@threecol@footgroup{v@r}%
9084 \let\@footgroupv@r\@threecol@footgroupv@r
9085 \let\@mpfootnotetext\@mpthreecolfootnotetext
9086 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9087 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext

```



```

9088 \bidi@after@Hy@hyperfootnotes
9089 \m@make@mpthreecol@footgroup{v@r}%
9090 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
9091 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9092 \def\baselinestretch{\m@m@footnote@spacing}%
9093 \reset@font\foottextfont
9094 \@preamfntext
9095 \protected@edef\@currentlabel{%
9096 \csname p@footnote\endcsname\@thefnmark}%
9097 \color@begingroup
9098 \@threecolfootfmt{#1}%
9099 \color@endgroup}\m@mmf@prepare}
9100 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9101 \def\baselinestretch{\m@m@footnote@spacing}%
9102 \reset@font\LTRfoottextfont
9103 \@preamfntext
9104 \protected@edef\@currentlabel{%
9105 \csname p@footnote\endcsname\@thefnmark}%
9106 \color@begingroup
9107 \@threecolLTRfootfmt{#1}%
9108 \color@endgroup}\m@mmf@prepare}
9109 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9110 \def\baselinestretch{\m@m@footnote@spacing}%
9111 \reset@font\RTLfoottextfont
9112 \@preamfntext
9113 \protected@edef\@currentlabel{%
9114 \csname p@footnote\endcsname\@thefnmark}%
9115 \color@begingroup
9116 \@threecolRTLfootfmt{#1}%
9117 \color@endgroup}\m@mmf@prepare}
9118 \bidi@ensure@newcommand{\@preamthreefmt}{%
9119 \hspace{.3\hspace}
9120 \parindent=\z@
9121 \tolerance=5000\relax
9122 \leavevmode}
9123 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9124 \@preamthreefmt
9125 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9126 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9127 \@preamthreefmt
9128 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9129 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9130 \@preamthreefmt
9131 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9132 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9133 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9134 \unvbox\@mpfootinsv@r
9135 \def\baselinestretch{\m@m@footnote@spacing}%
9136 \reset@font\foottextfont
9137 \hspace\columnwidth \@parboxrestore

```



```

9138 \protected@edef\@currentlabel{%
9139 \csname p@mpfootnote\endcsname\@thefnmark}%
9140 \color@begingroup
9141 \@threecolfootfmt{#1}%
9142 \color@endgroup}\m@mfm@prepare}
9143 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9144 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9145 \unvbox\@mpfootinsv@r
9146 \def\baselinestretch{\m@m@footnote@spacing}%
9147 \reset@font\LTRfoottextfont
9148 \hsize\columnwidth \@parboxrestore
9149 \ifRTLcolumnfootnotes\beginL\fi
9150 \protected@edef\@currentlabel{%
9151 \csname p@mpfootnote\endcsname\@thefnmark}%
9152 \color@begingroup
9153 \@threecolLTRfootfmt{#1}%
9154 \color@endgroup}\m@mfm@prepare}
9155 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9156 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9157 \unvbox\@mpfootinsv@r
9158 \def\baselinestretch{\m@m@footnote@spacing}%
9159 \reset@font\RTLfoottextfont
9160 \hsize\columnwidth \@parboxrestore
9161 \protected@edef\@currentlabel{%
9162 \csname p@mpfootnote\endcsname\@thefnmark}%
9163 \color@begingroup
9164 \@threecolRTLfootfmt{#1}%
9165 \color@endgroup}\m@mfm@prepare}
9166 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
9167 \m@make@threecolfootnotetext{#1}%
9168 \m@make@mpthreecolfootnotetext{#1}%
9169 \m@make@threecolfootfmt{#1}%
9170 \m@make@threecol@footgroup{#1}%
9171 \m@make@mpthreecol@footgroup{#1}%
9172 \m@make@footstart{#1}%
9173 \bidi@namelongdef{\@footnotetext#1}##1{%
9174 \@nameuse{\@threecolfootnotetext#1}{##1}}%
9175 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9176 \@nameuse{\@mpthreecolfootnotetext#1}{##1}}%
9177 \@namedef{\@footgroup#1}{\@nameuse{\@threecol@footgroup#1}}%
9178 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpthreecol@footgroup#1}}%
9179 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
9180 \expandafter\count\csname footins#1\endcsname=333\relax}
9181 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
9182 \bidi@namelongdef{\@threecolfootnotetext#1}##1{%
9183 \insert\@nameuse{\footins#1}{%
9184 \def\baselinestretch{\m@m@footnote@spacing}%
9185 \reset@font\@nameuse{\foottextfont#1}%
9186 \@preamfntext
9187 \protected@edef\@currentlabel{%

```



```

9188 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9189 \color@begingroup
9190 \nameuse{@threecolfootfmt#1}{##1}%
9191 \color@endgroup}\m@mmf@prepare}}
9192 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
9193 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
9194 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9195 \unvbox\@nameuse{@mpfootins#1}
9196 \def\baselinestretch{\m@m@footnote@spacing}%
9197 \reset@font\@nameuse{foottextfont#1}%
9198 \hsize\columnwidth \parboxrestore
9199 \protected@edef\@currentlabel{%
9200 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9201 \color@begingroup
9202 \nameuse{@threecolfootfmt#1}{##1}%
9203 \color@endgroup}\m@mmf@prepare}}
9204 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
9205 \bidi@namelongdef{@threecolfootfmt#1}##1{%
9206 \@preamthreefmt
9207 {\@nameuse{footfootmark#1}\strut
9208 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9209 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9210 \@namedef{@threecol@footgroup#1}{%
9211 \def\baselinestretch{\m@m@footnote@spacing}%
9212 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9213 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9214 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9215 \@namedef{@mpthreecol@footgroup#1}{%
9216 \def\baselinestretch{\m@m@footnote@spacing}%
9217 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9218 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
9219 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9220 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9221 \@bidi@before@Hy@hyperfootnotes
9222 \let\@footnotetext\@fourcolfootnotetext
9223 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9224 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9225 \dimen\footinsv@r=4\footinsdim
9226 \count\footinsv@r=250\relax
9227 \m@make@fourcol@footgroup{v@r}%
9228 \let\@footgroupv@r\@fourcol@footgroupv@r
9229 \let\@mpfootnotetext\@mpfourcolfootnotetext
9230 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9231 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9232 \@bidi@after@Hy@hyperfootnotes
9233 \m@make@mpfourcol@footgroup{v@r}%
9234 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
9235 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9236 \def\baselinestretch{\m@m@footnote@spacing}%
9237 \reset@font\foottextfont

```




```

9238 \@preamfntext
9239 \protected@edef\@currentlabel{%
9240   \csname p@footnote\endcsname\@thefnmark}%
9241 \color@begingroup
9242   \@fourcolfootfmt{#1}%
9243 \color@endgroup}%
9244 \m@mmf@prepare}
9245 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9246   \def\baselinestretch{\m@m@footnote@spacing}%
9247   \reset@font\LTRfoottextfont
9248   \@preamfntext
9249   \protected@edef\@currentlabel{%
9250     \csname p@footnote\endcsname\@thefnmark}%
9251   \color@begingroup
9252     \@fourcolLTRfootfmt{#1}%
9253   \color@endgroup}%
9254   \m@mmf@prepare}
9255 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9256   \def\baselinestretch{\m@m@footnote@spacing}%
9257   \reset@font\RTLfoottextfont
9258   \@preamfntext
9259   \protected@edef\@currentlabel{%
9260     \csname p@footnote\endcsname\@thefnmark}%
9261   \color@begingroup
9262     \@fourcolRTLfootfmt{#1}%
9263   \color@endgroup}%
9264   \m@mmf@prepare}
9265 \bidi@ensure@newcommand{\@preamfourfmt}{%
9266   \hspace{.25\hsize}
9267   \parindent=\z@
9268   \tolerance=5000\relax
9269   \leavevmode}
9270 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9271   \@preamfourfmt
9272   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9273 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9274   \@preamfourfmt
9275   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9276 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9277   \@preamfourfmt
9278   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9279 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9280   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9281     \unvbox\@mpfootinsv@r
9282     \def\baselinestretch{\m@m@footnote@spacing}%
9283     \reset@font\foottextfont
9284     \hspace\columnwidth \@parboxrestore
9285     \protected@edef\@currentlabel{%
9286       \csname p@mpfootnote\endcsname\@thefnmark}%
9287     \color@begingroup

```



```

9288 \fourcolfootfmt{#1}%
9289 \color@endgroup}%
9290 \m@mmf@prepare}
9291 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9292 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9293 \unvbox\@mpfootinsv@r
9294 \def\baselinestretch{\m@m@footnote@spacing}%
9295 \reset@font\LTRfoottextfont
9296 \hsize\columnwidth \@parboxrestore
9297 \ifRTLcolumnfootnotes\beginL\fi
9298 \protected@edef\@currentlabel{%
9299 \csname p@mpfootnote\endcsname\@thefnmark}%
9300 \color@begingroup
9301 \fourcolLTRfootfmt{#1}%
9302 \color@endgroup}%
9303 \m@mmf@prepare}
9304 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9305 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9306 \unvbox\@mpfootinsv@r
9307 \def\baselinestretch{\m@m@footnote@spacing}%
9308 \reset@font\RTLfoottextfont
9309 \hsize\columnwidth \@parboxrestore
9310 \protected@edef\@currentlabel{%
9311 \csname p@mpfootnote\endcsname\@thefnmark}%
9312 \color@begingroup
9313 \fourcolRTLfootfmt{#1}%
9314 \color@endgroup}%
9315 \m@mmf@prepare}
9316 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
9317 \m@make@fourcolfootnotetext{#1}%
9318 \m@make@mpfourcolfootnotetext{#1}%
9319 \m@make@fourcolfootfmt{#1}%
9320 \m@make@fourcol@footgroup{#1}%
9321 \m@make@mpfourcol@footgroup{#1}%
9322 \m@make@footstart{#1}%
9323 \bidi@namelongdef{\@footnotetext#1}##1{%
9324 \@nameuse{\@fourcolfootnotetext#1}{##1}}%
9325 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9326 \@nameuse{\@mpfourcolfootnotetext#1}{##1}}%
9327 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
9328 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
9329 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9330 \expandafter\count\csname footins#1\endcsname=500\relax}
9331 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
9332 \bidi@namelongdef{\@fourcolfootnotetext#1}##1{%
9333 \insert\@nameuse{footins#1}{%
9334 \def\baselinestretch{\m@m@footnote@spacing}%
9335 \reset@font\@nameuse{foottextfont#1}%
9336 \preamfntext
9337 \protected@edef\@currentlabel{%

```



```

9338 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9339 \color@begingroup
9340 \@nameuse{@fourcolfootfmt#1}{##1}%
9341 \color@endgroup}%
9342 \m@mmf@prepare}}
9343 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
9344 \bidi@namelongdef{\mpfourcolfootnotetext#1}##1{%
9345 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9346 \unvbox\@nameuse{@mpfootins#1}
9347 \def\baselinestretch{\m@m@footnote@spacing}%
9348 \reset@font\@nameuse{foottextfont#1}%
9349 \hsize\columnwidth \parboxrestore
9350 \protected@edef\@currentlabel{%
9351 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9352 \color@begingroup
9353 \@nameuse{@fourcolfootfmt#1}{##1}%
9354 \color@endgroup}\m@mmf@prepare}}
9355 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
9356 \@namedef{@fourcolfootfmt#1}##1{%
9357 \@preamfourfmt
9358 {\@nameuse{footfootmark#1}\strut
9359 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9360 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9361 \@namedef{@fourcol@footgroup#1}{%
9362 \def\baselinestretch{\m@m@footnote@spacing}%
9363 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9364 \m@mrigidbodybalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
9365 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9366 \@namedef{@mpfourcol@footgroup#1}{%
9367 \def\baselinestretch{\m@m@footnote@spacing}%
9368 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9369 \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
9370 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9371 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9372 \@bidi@before@Hy@hyperfootnotes
9373 \let\@footnotetext\@fivecolfootnotetext
9374 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9375 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9376 \dimen\footinsv@r=5\footinsdim
9377 \count\footinsv@r=200\relax
9378 \m@make@fivecol@footgroup{v@r}%
9379 \let\@footgroupv@r\@fivecol@footgroupv@r
9380 \let\@mpfootnotetext\@mpfivecolfootnotetext
9381 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9382 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9383 \@bidi@after@Hy@hyperfootnotes
9384 \m@make@mpfivecol@footgroup{v@r}%
9385 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
9386 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9387 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9388 \reset@font\foottextfont
9389 \@preamfntext
9390 \protected@edef\@currentlabel{%
9391   \csname p@footnote\endcsname\@thefnmark}%
9392 \color@begingroup
9393   \@fivecolfootfmt{#1}%
9394 \color@endgroup}%
9395 \m@mmf@prepare}
9396 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9397   \def\baselinestretch{\m@m@footnote@spacing}%
9398   \reset@font\LTRfoottextfont
9399   \@preamfntext
9400   \protected@edef\@currentlabel{%
9401     \csname p@footnote\endcsname\@thefnmark}%
9402   \color@begingroup
9403     \@fivecolLTRfootfmt{#1}%
9404   \color@endgroup}%
9405   \m@mmf@prepare}
9406 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9407   \def\baselinestretch{\m@m@footnote@spacing}%
9408   \reset@font\RTLfoottextfont
9409   \@preamfntext
9410   \protected@edef\@currentlabel{%
9411     \csname p@footnote\endcsname\@thefnmark}%
9412   \color@begingroup
9413     \@fivecolRTLfootfmt{#1}%
9414   \color@endgroup}%
9415   \m@mmf@prepare}
9416 \bidi@ensure@newcommand{\@preamfivefmt}{%
9417   \hspace{.2\hspace}
9418   \parindent=\z@
9419   \tolerance=5000\relax
9420   \leavevmode}
9421 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9422   \@preamfivefmt
9423   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9424 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9425   \@preamfivefmt
9426   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9427 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9428   \@preamfivefmt
9429   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9430 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9431   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9432     \unvbox\@mpfootinsv@r
9433     \def\baselinestretch{\m@m@footnote@spacing}%
9434     \reset@font\foottextfont
9435     \hspace\columnwidth \@parboxrestore
9436     \protected@edef\@currentlabel{%
9437       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9438 \color@begingroup
9439 \@fivecolfootfmt{#1}%
9440 \color@endgroup}%
9441 \m@mmf@prepare}
9442 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9443 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9444 \unvbox\@mpfootinsv@r
9445 \def\baselinestretch{\m@m@footnote@spacing}%
9446 \reset@font\LTRfoottextfont
9447 \hsize\columnwidth \@parboxrestore
9448 \ifRTLcolumnfootnotes\beginL\fi
9449 \protected@edef\@currentlabel{%
9450 \csname p@mpfootnote\endcsname\@thefnmark}%
9451 \color@begingroup
9452 \@fivecolLTRfootfmt{#1}%
9453 \color@endgroup}%
9454 \m@mmf@prepare}
9455 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9456 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9457 \unvbox\@mpfootinsv@r
9458 \def\baselinestretch{\m@m@footnote@spacing}%
9459 \reset@font\RTLfoottextfont
9460 \hsize\columnwidth \@parboxrestore
9461 \protected@edef\@currentlabel{%
9462 \csname p@mpfootnote\endcsname\@thefnmark}%
9463 \color@begingroup
9464 \@fivecolRTLfootfmt{#1}%
9465 \color@endgroup}%
9466 \m@mmf@prepare}
9467 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
9468 \m@make@fivecolfootnotetext{#1}%
9469 \m@make@mpfivecolfootnotetext{#1}%
9470 \m@make@fivecolfootfmt{#1}%
9471 \m@make@fivecol@footgroup{#1}%
9472 \m@make@mpfivecol@footgroup{#1}%
9473 \m@make@footstart{#1}%
9474 \bidi@namelongdef{\footnotetext#1}##1{%
9475 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
9476 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9477 \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
9478 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
9479 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
9480 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9481 \expandafter\count\csname footins#1\endcsname=500\relax}
9482 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
9483 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
9484 \insert\@nameuse{\footins#1}{%
9485 \def\baselinestretch{\m@m@footnote@spacing}%
9486 \reset@font\@nameuse{\foottextfont#1}%
9487 \preamfntext

```



```

9488 \protected@edef\@currentlabel{%
9489 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9490 \color@begingroup
9491 \@nameuse{@fivecolfootfmt#1}{##1}%
9492 \color@endgroup}%
9493 \m@mmf@prepare}}
9494 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
9495 \bidi@namelongdef{\mpfivecolfootnotetext#1}##1{%
9496 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9497 \unvbox\@nameuse{@mpfootins#1}
9498 \def\baselinestretch{\m@m@footnote@spacing}%
9499 \reset@font\@nameuse{foottextfont#1}%
9500 \hsize\columnwidth \@parboxrestore
9501 \protected@edef\@currentlabel{%
9502 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9503 \color@begingroup
9504 \@nameuse{@fivecolfootfmt#1}{##1}%
9505 \color@endgroup}\m@mmf@prepare}}
9506 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
9507 \@namedef{@fivecolfootfmt#1}##1{%
9508 \@preamfivefmt
9509 {\@nameuse{footfootmark#1}\strut
9510 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9511 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9512 \@namedef{@fivecol@footgroup#1}{%
9513 \def\baselinestretch{\m@m@footnote@spacing}%
9514 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9515 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
9516 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9517 \@namedef{@mpfivecol@footgroup#1}{%
9518 \def\baselinestretch{\m@m@footnote@spacing}%
9519 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9520 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
9521 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9522 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9523 \@bidi@before@Hy@hyperfootnotes
9524 \let\@footnotetext\@sixcolfootnotetext
9525 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9526 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9527 \dimen\footinsv@r=6\footinsdim
9528 \count\footinsv@r=166\relax
9529 \m@make@sixcol@footgroup{v@r}%
9530 \let\@footgroupv@r\@sixcol@footgroupv@r
9531 \let\@mpfootnotetext\@mpsixcolfootnotetext
9532 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9533 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9534 \@bidi@after@Hy@hyperfootnotes
9535 \m@make@mpsixcol@footgroup{v@r}%
9536 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
9537 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue

```



```

9538 \def\baselinestretch{\m@m@footnote@spacing}%
9539 \reset@font\foottextfont
9540 \@preamfntext
9541 \protected@edef\@currentlabel{%
9542   \csname p@footnote\endcsname\@thefnmark}%
9543 \color@begingroup
9544   \@sixcolfootfmt{#1}%
9545 \color@endgroup}%
9546 \m@mmf@prepare}
9547 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9548 \def\baselinestretch{\m@m@footnote@spacing}%
9549 \reset@font\LTRfoottextfont
9550 \@preamfntext
9551 \protected@edef\@currentlabel{%
9552   \csname p@footnote\endcsname\@thefnmark}%
9553 \color@begingroup
9554   \@sixcolLTRfootfmt{#1}%
9555 \color@endgroup}%
9556 \m@mmf@prepare}
9557 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9558 \def\baselinestretch{\m@m@footnote@spacing}%
9559 \reset@font\RTLfoottextfont
9560 \@preamfntext
9561 \protected@edef\@currentlabel{%
9562   \csname p@footnote\endcsname\@thefnmark}%
9563 \color@begingroup
9564   \@sixcolRTLfootfmt{#1}%
9565 \color@endgroup}%
9566 \m@mmf@prepare}
9567 \bidi@ensure@newcommand{\@preamsixfmt}{%
9568 \hspace{.16\hsize}
9569 \parindent=\z@
9570 \tolerance=5000\relax
9571 \leavevmode}
9572 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9573   \@preamsixfmt
9574   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9575 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9576   \@preamsixfmt
9577   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9578 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9579   \@preamsixfmt
9580   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9581 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9582 \global\setbox\@mpfootinsv@r\vbox{%
9583   \unvbox\@mpfootinsv@r
9584   \def\baselinestretch{\m@m@footnote@spacing}%
9585   \reset@font\foottextfont
9586   \hspace\columnwidth \@parboxrestore
9587   \protected@edef\@currentlabel{%

```



```

9588      \csname p@mpfootnote\endcsname\@thefnmark}%
9589      \color@begingroup
9590      \@sixcolfootfmt{#1}%
9591      \color@endgroup}%
9592      \m@mmf@prepare}
9593 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9594 \global\setbox\@mpfootinsv@r\vbox{%
9595   \unvbox\@mpfootinsv@r
9596   \def\baselinestretch{\m@m@footnote@spacing}%
9597   \reset@font\LTRfoottextfont
9598   \hsize\columnwidth \@parboxrestore
9599   \ifRTLcolumnfootnotes\beginL\fi
9600   \protected@edef\@currentlabel{%
9601     \csname p@mpfootnote\endcsname\@thefnmark}%
9602   \color@begingroup
9603     \@sixcolLTRfootfmt{#1}%
9604   \color@endgroup}%
9605   \m@mmf@prepare}
9606 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9607 \global\setbox\@mpfootinsv@r\vbox{%
9608   \unvbox\@mpfootinsv@r
9609   \def\baselinestretch{\m@m@footnote@spacing}%
9610   \reset@font\RTLfoottextfont
9611   \hsize\columnwidth \@parboxrestore
9612   \protected@edef\@currentlabel{%
9613     \csname p@mpfootnote\endcsname\@thefnmark}%
9614   \color@begingroup
9615     \@sixcolRTLfootfmt{#1}%
9616   \color@endgroup}%
9617   \m@mmf@prepare}
9618 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
9619   \m@make@sixcolfootnotetext{#1}%
9620   \m@make@mpsixcolfootnotetext{#1}%
9621   \m@make@sixcolfootfmt{#1}%
9622   \m@make@sixcol@footgroup{#1}%
9623   \m@make@mpsixcol@footgroup{#1}%
9624   \m@make@footstart{#1}%
9625   \bidi@namelongdef{\footnotetext#1}##1{%
9626     \@nameuse{\sixcolfootnotetext#1}{##1}}%
9627   \bidi@namelongdef{\mpfootnotetext#1}##1{%
9628     \@nameuse{\mpsixcolfootnotetext#1}{##1}}%
9629   \@namedef{\footgroup#1}{\@nameuse{\sixcol@footgroup#1}}%
9630   \@namedef{\mp@footgroup#1}{\@nameuse{\mpsixcol@footgroup#1}}%
9631   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9632   \expandafter\count\csname footins#1\endcsname=500\relax}
9633 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9634   \bidi@namelongdef{\sixcolfootnotetext#1}##1{%
9635     \insert\@nameuse{\footins#1}{%
9636       \def\baselinestretch{\m@m@footnote@spacing}%
9637       \reset@font\@nameuse{\foottextfont#1}%

```




```

9638 \preamfntext
9639 \protected@edef\currentlabel{%
9640 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9641 \color@begingroup
9642 \@nameuse{@sixcolfootfmt#1}{##1}%
9643 \color@endgroup}%
9644 \m@mmf@prepare}}
9645 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9646 \bidi@namelongdef{\mpsixcolfootnotetext#1}##1{%
9647 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9648 \unvbox\@nameuse{@mpfootins#1}
9649 \def\baselinestretch{\m@m@footnote@spacing}%
9650 \reset@font\@nameuse{foottextfont#1}%
9651 \hsize\columnwidth \parboxrestore
9652 \protected@edef\currentlabel{%
9653 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9654 \color@begingroup
9655 \@nameuse{@sixcolfootfmt#1}{##1}%
9656 \color@endgroup}\m@mmf@prepare}}
9657 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9658 \@namedef{@sixcolfootfmt#1}##1{%
9659 \@preamsixfmt
9660 {\@nameuse{footfootmark#1}\strut
9661 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9662 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9663 \@namedef{@sixcol@footgroup#1}{%
9664 \def\baselinestretch{\m@m@footnote@spacing}%
9665 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9666 \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9667 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9668 \@namedef{@mpsixcol@footgroup#1}{%
9669 \def\baselinestretch{\m@m@footnote@spacing}%
9670 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9671 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
9672 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9673 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9674 \@bidi@before@Hy@hyperfootnotes
9675 \let\@footnotetext\@sevendcolfootnotetext
9676 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9677 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9678 \dimen\footinsv@r=7\footinsdim
9679 \count\footinsv@r=142\relax
9680 \m@make@sevendcol@footgroup{v@r}%
9681 \let\@footgroupv@r\@sevendcol@footgroupv@r
9682 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9683 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9684 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9685 \@bidi@after@Hy@hyperfootnotes
9686 \m@make@mpsevendcol@footgroup{v@r}%
9687 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}

```



```

9688 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9689 \def\baselinestretch{\m@m@footnote@spacing}%
9690 \reset@font\foottextfont
9691 \@preamfntext
9692 \protected@edef\@currentlabel{%
9693 \csname p@footnote\endcsname\@thefnmark}%
9694 \color@begingroup
9695 \@sevendcolfootfmt{#1}%
9696 \color@endgroup}%
9697 \m@mmf@prepare}
9698 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9699 \def\baselinestretch{\m@m@footnote@spacing}%
9700 \reset@font\LTRfoottextfont
9701 \@preamfntext
9702 \protected@edef\@currentlabel{%
9703 \csname p@footnote\endcsname\@thefnmark}%
9704 \color@begingroup
9705 \@sevendcolLTRfootfmt{#1}%
9706 \color@endgroup}%
9707 \m@mmf@prepare}
9708 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9709 \def\baselinestretch{\m@m@footnote@spacing}%
9710 \reset@font\RTLfoottextfont
9711 \@preamfntext
9712 \protected@edef\@currentlabel{%
9713 \csname p@footnote\endcsname\@thefnmark}%
9714 \color@begingroup
9715 \@sevendcolRTLfootfmt{#1}%
9716 \color@endgroup}%
9717 \m@mmf@prepare}
9718 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9719 \hsize .142\hsize
9720 \parindent=\z@
9721 \tolerance=5000\relax
9722 \leavevmode}
9723 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
9724 \@preamsevenfmt
9725 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9726 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
9727 \@preamsevenfmt
9728 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9729 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
9730 \@preamsevenfmt
9731 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9732 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9733 \global\setbox\@mpfootinsv@r\vbox{%
9734 \unvbox\@mpfootinsv@r
9735 \def\baselinestretch{\m@m@footnote@spacing}%
9736 \reset@font\foottextfont
9737 \hsize\columnwidth \@parboxrestore

```



```

9738 \protected@edef\@currentlabel{%
9739 \csname p@mpfootnote\endcsname\@thefnmark}%
9740 \color@begingroup
9741 \@sevenscolfootfmt{#1}%
9742 \color@endgroup}%
9743 \m@mmlf@prepare}
9744 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
9745 \global\setbox\@mpfootinsv@r\vbox{%
9746 \unvbox\@mpfootinsv@r
9747 \def\baselinestretch{\m@m@footnote@spacing}%
9748 \reset@font\LTRfoottextfont
9749 \hsize\columnwidth \@parboxrestore
9750 \if@RTLcolumnfootnotes\beginL\fi
9751 \protected@edef\@currentlabel{%
9752 \csname p@mpfootnote\endcsname\@thefnmark}%
9753 \color@begingroup
9754 \@sevenscolLTRfootfmt{#1}%
9755 \color@endgroup}%
9756 \m@mmlf@prepare}
9757 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
9758 \global\setbox\@mpfootinsv@r\vbox{%
9759 \unvbox\@mpfootinsv@r
9760 \def\baselinestretch{\m@m@footnote@spacing}%
9761 \reset@font\RTLfoottextfont
9762 \hsize\columnwidth \@parboxrestore
9763 \protected@edef\@currentlabel{%
9764 \csname p@mpfootnote\endcsname\@thefnmark}%
9765 \color@begingroup
9766 \@sevenscolRTLfootfmt{#1}%
9767 \color@endgroup}%
9768 \m@mmlf@prepare}
9769 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
9770 \m@make@sevenscolfootnotetext{#1}%
9771 \m@make@mpsevenscolfootnotetext{#1}%
9772 \m@make@sevenscolfootfmt{#1}%
9773 \m@make@sevenscol@footgroup{#1}%
9774 \m@make@mpsevenscol@footgroup{#1}%
9775 \m@make@footstart{#1}%
9776 \bidi@namelongdef{\footnotetext#1}##1{%
9777 \nameuse{\sevenscolfootnotetext#1}{##1}}%
9778 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9779 \nameuse{\mpsevenscolfootnotetext#1}{##1}}%
9780 \namedef{\footgroup#1}{\nameuse{\sevenscol@footgroup#1}}%
9781 \namedef{\mpfootgroup#1}{\nameuse{\mpsevenscol@footgroup#1}}%
9782 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9783 \expandafter\count\csname footins#1\endcsname=500\relax}
9784 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9785 \bidi@namelongdef{\sevenscolfootnotetext#1}##1{%
9786 \insert\nameuse{footins#1}%
9787 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

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

```



```

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

```



```

9888 \hsize\columnwidth \@parboxrestore
9889 \protected@edef\@currentlabel{%
9890 \csname p@mpfootnote\endcsname\@thefnmark}%
9891 \color@begingroup
9892 \@eightcolfootfmt{#1}%
9893 \color@endgroup}%
9894 \m@mmf@prepare}
9895 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9896 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9897 \unvbox\@mpfootinsv@r
9898 \def\baselinestretch{\m@mfootnote@spacing}%
9899 \reset@font\LTRfoottextfont
9900 \hsize\columnwidth \@parboxrestore
9901 \ifRTLcolumnfootnotes\beginL\fi
9902 \protected@edef\@currentlabel{%
9903 \csname p@mpfootnote\endcsname\@thefnmark}%
9904 \color@begingroup
9905 \@eightcolLTRfootfmt{#1}%
9906 \color@endgroup}%
9907 \m@mmf@prepare}
9908 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9909 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9910 \unvbox\@mpfootinsv@r
9911 \def\baselinestretch{\m@mfootnote@spacing}%
9912 \reset@font\RTLfoottextfont
9913 \hsize\columnwidth \@parboxrestore
9914 \protected@edef\@currentlabel{%
9915 \csname p@mpfootnote\endcsname\@thefnmark}%
9916 \color@begingroup
9917 \@eightcolRTLfootfmt{#1}%
9918 \color@endgroup}%
9919 \m@mmf@prepare}
9920 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9921 \m@make@eightcolfootnotetext{#1}%
9922 \m@make@mpeightcolfootnotetext{#1}%
9923 \m@make@eightcolfootfmt{#1}%
9924 \m@make@eightcol@footgroup{#1}%
9925 \m@make@mpeightcol@footgroup{#1}%
9926 \m@make@footstart{#1}%
9927 \bidi@namelongdef{\@footnotetext#1}##1{%
9928 \@nameuse{\@eightcolfootnotetext#1}{##1}}%
9929 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9930 \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
9931 \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
9932 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
9933 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9934 \expandafter\count\csname footins#1\endcsname=500\relax}
9935 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9936 \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%
9937 \insert\@nameuse{\footins#1}{%

```



```

9938 \def\baselinestretch{\m@m@footnote@spacing}%
9939 \reset@font\@nameuse{foottextfont#1}%
9940 \@preamfntext
9941 \protected@edef\@currentlabel{%
9942   \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9943 \color@begingroup
9944   \@nameuse{@eightcolfootfmt#1}{##1}%
9945 \color@endgroup}%
9946 \m@m@mmf@prepare}}
9947 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9948 \bidi@namelongdef{\mpeightcolfootnotetext#1}##1{%
9949   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9950     \unvbox\@nameuse{@mpfootins#1}
9951     \def\baselinestretch{\m@m@footnote@spacing}%
9952     \reset@font\@nameuse{foottextfont#1}%
9953     \hsize\columnwidth \parboxrestore
9954     \protected@edef\@currentlabel{%
9955       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9956     \color@begingroup
9957       \@nameuse{@eightcolfootfmt#1}{##1}%
9958     \color@endgroup}\m@m@mmf@prepare}}
9959 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9960   \@namedef{@eightcolfootfmt#1}##1{%
9961     \@preameightfmt
9962     {\@nameuse{footfootmark#1}\strut
9963       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9964 \bidi@ensure@newcommand{\m@make@eightcolfootgroup}[1]{%
9965   \@namedef{@eightcolfootgroup#1}{%
9966     \def\baselinestretch{\m@m@footnote@spacing}%
9967     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9968     \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9969 \bidi@ensure@newcommand{\m@make@mpeightcolfootgroup}[1]{%
9970   \@namedef{@mpeightcolfootgroup#1}{%
9971     \def\baselinestretch{\m@m@footnote@spacing}%
9972     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9973     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9974 \bidi@ensure@newcommand{\necolumnfootnotes}{%
9975   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9976   \@bidi@before@Hy@hyperfootnotes
9977   \let\@footnotetext\@necolfootnotetext
9978   \let\@LTRfootnotetext\@necolLTRfootnotetext
9979   \let\@RTLfootnotetext\@necolRTLfootnotetext
9980   \dimen\footinsv@r=9\footinsdim
9981   \count\footinsv@r=111\relax
9982   \m@make@necol@footgroup{v@r}%
9983   \let\@footgroupv@r\@necol@footgroupv@r
9984   \let\@mpfootnotetext\@mpnecolfootnotetext
9985   \let\@mpLTRfootnotetext\@mpnecolLTRfootnotetext
9986   \let\@mpRTLfootnotetext\@mpnecolRTLfootnotetext
9987   \@bidi@after@Hy@hyperfootnotes

```



```

9988 \m@make@mpninecol@footgroup{v@r}%
9989 \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9990 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9991 \def\baselinestretch{\m@m@footnote@spacing}%
9992 \reset@font\foottextfont
9993 \@preamfntext
9994 \protected@edef\@currentlabel{%
9995 \csname p@footnote\endcsname\@thefnmark}%
9996 \color@begingroup
9997 \@ninecolfootfmt{#1}%
9998 \color@endgroup}%
9999 \m@mmf@prepare}
10000 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
10001 \def\baselinestretch{\m@m@footnote@spacing}%
10002 \reset@font\LTRfoottextfont
10003 \@preamfntext
10004 \protected@edef\@currentlabel{%
10005 \csname p@footnote\endcsname\@thefnmark}%
10006 \color@begingroup
10007 \@ninecolLTRfootfmt{#1}%
10008 \color@endgroup}%
10009 \m@mmf@prepare}
10010 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10011 \def\baselinestretch{\m@m@footnote@spacing}%
10012 \reset@font\RTLfoottextfont
10013 \@preamfntext
10014 \protected@edef\@currentlabel{%
10015 \csname p@footnote\endcsname\@thefnmark}%
10016 \color@begingroup
10017 \@ninecolRTLfootfmt{#1}%
10018 \color@endgroup}%
10019 \m@mmf@prepare}
10020 \bidi@ensure@newcommand{\@preamninefmt}{%
10021 \hspace{.1\hspace}
10022 \parindent=\z@
10023 \tolerance=5000\relax
10024 \leavevmode}
10025 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
10026 \@preamninefmt
10027 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10028 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
10029 \@preamninefmt
10030 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10031 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
10032 \@preamninefmt
10033 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10034 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
10035 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10036 \unvbox\@mpfootinsv@r
10037 \def\baselinestretch{\m@m@footnote@spacing}%

```




```

10038 \reset@font\foottextfont
10039 \hsize\columnwidth \@parboxrestore
10040 \protected@edef\@currentlabel{%
10041 \csname p@mpfootnote\endcsname\@thefnmark}%
10042 \color@begingroup
10043 \@ninecolfootfmt{#1}%
10044 \color@endgroup}%
10045 \m@mmlf@prepare}
10046 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
10047 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10048 \unvbox\@mpfootinsv@r
10049 \def\baselinestretch{\m@m@footnote@spacing}%
10050 \reset@font\LTRfoottextfont
10051 \hsize\columnwidth \@parboxrestore
10052 \ifRTLcolumnfootnotes\beginL\fi
10053 \protected@edef\@currentlabel{%
10054 \csname p@mpfootnote\endcsname\@thefnmark}%
10055 \color@begingroup
10056 \@ninecolLTRfootfmt{#1}%
10057 \color@endgroup}%
10058 \m@mmlf@prepare}
10059 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10060 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10061 \unvbox\@mpfootinsv@r
10062 \def\baselinestretch{\m@m@footnote@spacing}%
10063 \reset@font\RTLfoottextfont
10064 \hsize\columnwidth \@parboxrestore
10065 \protected@edef\@currentlabel{%
10066 \csname p@mpfootnote\endcsname\@thefnmark}%
10067 \color@begingroup
10068 \@ninecolRTLfootfmt{#1}%
10069 \color@endgroup}%
10070 \m@mmlf@prepare}
10071 \bidi@ensure@newcommand{\@ninecolumnfootstyle}[1]{%
10072 \m@make@ninecolfootnotetext{#1}%
10073 \m@make@mpninecolfootnotetext{#1}%
10074 \m@make@ninecolfootfmt{#1}%
10075 \m@make@ninecol@footgroup{#1}%
10076 \m@make@mpninecol@footgroup{#1}%
10077 \m@make@footstart{#1}%
10078 \bidi@namelongdef{\@footnotetext#1}##1{%
10079 \nameuse{\@ninecolfootnotetext#1}{##1}}%
10080 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10081 \nameuse{\@mpninecolfootnotetext#1}{##1}}%
10082 \@namedef{\@footgroup#1}{\nameuse{\@ninecol@footgroup#1}}%
10083 \@namedef{\mp@footgroup#1}{\nameuse{\@mpninecol@footgroup#1}}%
10084 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10085 \expandafter\count\csname footins#1\endcsname=500\relax}
10086 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
10087 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%

```



```

10088 \insert\@nameuse{footins#1}{%
10089 \def\baselinestretch{\m@m@footnote@spacing}%
10090 \reset@font\@nameuse{foottextfont#1}%
10091 \@preamfntext
10092 \protected@edef\@currentlabel{%
10093 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10094 \color@begingroup
10095 \@nameuse{@ninecolfootfmt#1}{##1}%
10096 \color@endgroup}%
10097 \m@m@mmf@prepare}}
10098 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
10099 \bidi@namelongdef{\m@mpninecolfootnotetext#1}##1{%
10100 \global\setbox\@nameuse{\m@mpfootins#1}\vbox{%
10101 \unvbox\@nameuse{\m@mpfootins#1}
10102 \def\baselinestretch{\m@m@footnote@spacing}%
10103 \reset@font\@nameuse{foottextfont#1}%
10104 \hsize\columnwidth \@parboxrestore
10105 \protected@edef\@currentlabel{%
10106 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10107 \color@begingroup
10108 \@nameuse{@ninecolfootfmt#1}{##1}%
10109 \color@endgroup}\m@m@mmf@prepare}}
10110 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
10111 \@namedef{@ninecolfootfmt#1}##1{%
10112 \@preamninefmt
10113 {\@nameuse{footfootmark#1}\strut
10114 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10115 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
10116 \@namedef{@ninecol@footgroup#1}{%
10117 \def\baselinestretch{\m@m@footnote@spacing}%
10118 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10119 \m@m@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
10120 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
10121 \@namedef{\m@mpninecol@footgroup#1}{%
10122 \def\baselinestretch{\m@m@footnote@spacing}%
10123 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10124 \m@m@rigidbalance{\@nameuse{\m@mpfootins#1}}{9}{\splittopskip}}}}
10125 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10126 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10127 \@bidi@before@Hy@hyperfootnotes
10128 \let\@footnotetext\@tencolfootnotetext
10129 \let\@LTRfootnotetext\@tencolLTRfootnotetext
10130 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10131 \dimen\footinsv@r=10\footinsdim
10132 \count\footinsv@r=100\relax
10133 \m@make@tencol@footgroup{v@r}%
10134 \let\@footgroupv@r\@tencol@footgroupv@r
10135 \let\@mpfootnotetext\@mptencolfootnotetext
10136 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10137 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext

```



```

10138 \@bidi@after@Hy@hyperfootnotes
10139 \m@make@mptencol@footgroup{v@r}%
10140 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
10141 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10142 \def\baselinestretch{\m@m@footnote@spacing}%
10143 \reset@font\foottextfont
10144 \@preamfntext
10145 \protected@edef\@currentlabel{%
10146 \csname p@footnote\endcsname\@thefnmark}%
10147 \color@begingroup
10148 \@tencolfootfmt{#1}%
10149 \color@endgroup}%
10150 \m@mmf@prepare}
10151 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
10152 \def\baselinestretch{\m@m@footnote@spacing}%
10153 \reset@font\LTRfoottextfont
10154 \@preamfntext
10155 \protected@edef\@currentlabel{%
10156 \csname p@footnote\endcsname\@thefnmark}%
10157 \color@begingroup
10158 \@tencolLTRfootfmt{#1}%
10159 \color@endgroup}%
10160 \m@mmf@prepare}
10161 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10162 \def\baselinestretch{\m@m@footnote@spacing}%
10163 \reset@font\RTLfoottextfont
10164 \@preamfntext
10165 \protected@edef\@currentlabel{%
10166 \csname p@footnote\endcsname\@thefnmark}%
10167 \color@begingroup
10168 \@tencolRTLfootfmt{#1}%
10169 \color@endgroup}%
10170 \m@mmf@prepare}
10171 \bidi@ensure@newcommand{\@preamtenfmt}{%
10172 \hspace{.1\hspace}
10173 \parindent=\z@
10174 \tolerance=5000\relax
10175 \leavevmode}
10176 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10177 \@preamtenfmt
10178 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10179 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10180 \@preamtenfmt
10181 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10182 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10183 \@preamtenfmt
10184 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10185 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10186 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10187 \unvbox\@mpfootinsv@r}

```



```

10188 \def\baselinestretch{\m@m@footnote@spacing}%
10189 \reset@font\foottextfont
10190 \hsize\columnwidth \@parboxrestore
10191 \protected@edef\@currentlabel{%
10192   \csname p@mpfootnote\endcsname\@thefnmark}%
10193 \color@begingroup
10194   \@tencolfootfmt{#1}%
10195 \color@endgroup}%
10196 \m@mmf@prepare}
10197 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10198   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10199     \unvbox\@mpfootinsv@r
10200     \def\baselinestretch{\m@m@footnote@spacing}%
10201     \reset@font\LTRfoottextfont
10202     \hsize\columnwidth \@parboxrestore
10203     \if@RTLcolumnfootnotes\beginL\fi
10204     \protected@edef\@currentlabel{%
10205       \csname p@mpfootnote\endcsname\@thefnmark}%
10206     \color@begingroup
10207       \@tencolLTRfootfmt{#1}%
10208     \color@endgroup}%
10209     \m@mmf@prepare}
10210 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10211   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10212     \unvbox\@mpfootinsv@r
10213     \def\baselinestretch{\m@m@footnote@spacing}%
10214     \reset@font\RTLfoottextfont
10215     \hsize\columnwidth \@parboxrestore
10216     \protected@edef\@currentlabel{%
10217       \csname p@mpfootnote\endcsname\@thefnmark}%
10218     \color@begingroup
10219       \@tencolRTLfootfmt{#1}%
10220     \color@endgroup}%
10221     \m@mmf@prepare}
10222 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
10223   \m@make@tencolfootnotetext{#1}%
10224   \m@make@mptencolfootnotetext{#1}%
10225   \m@make@tencolfootfmt{#1}%
10226   \m@make@tencol@footgroup{#1}%
10227   \m@make@mptencol@footgroup{#1}%
10228   \m@make@footstart{#1}%
10229   \bidi@namelongdef{\@footnotetext#1}##1{%
10230     \@nameuse{\@tencolfootnotetext#1}{##1}}%
10231   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10232     \@nameuse{\@mptencolfootnotetext#1}{##1}}%
10233   \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
10234   \@namedef{\@mp@footgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
10235   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10236   \expandafter\count\csname footins#1\endcsname=500\relax}
10237 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%

```



```

10238 \bidi@namelongdef{@tencolfootnotetext#1}##1{%
10239   \insert\@nameuse{footins#1}{%
10240     \def\baselinestretch{\m@m@footnote@spacing}%
10241     \reset@font\@nameuse{foottextfont#1}%
10242     \@preamfntext
10243     \protected@edef\@currentlabel{%
10244       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10245     \color@begingroup
10246       \@nameuse{@tencolfootfmt#1}{##1}%
10247     \color@endgroup}%
10248   \m@m@mmf@prepare}}
10249 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
10250 \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
10251   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10252     \unvbox\@nameuse{@mpfootins#1}
10253     \def\baselinestretch{\m@m@footnote@spacing}%
10254     \reset@font\@nameuse{foottextfont#1}%
10255     \hsize\columnwidth \@parboxrestore
10256     \protected@edef\@currentlabel{%
10257       \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
10258     \color@begingroup
10259       \@nameuse{@tencolfootfmt#1}{##1}%
10260     \color@endgroup}\m@m@mmf@prepare}}
10261 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
10262   \@namedef{@tencolfootfmt#1}##1{%
10263     \@preamtenfmt
10264     {\@nameuse{footfootmark#1}\strut
10265       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10266 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10267   \@namedef{@tencol@footgroup#1}{%
10268     \def\baselinestretch{\m@m@footnote@spacing}%
10269     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10270     \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
10271 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10272   \@namedef{@mptencol@footgroup#1}{%
10273     \def\baselinestretch{\m@m@footnote@spacing}%
10274     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10275     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
10276 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10277   \setbox0=\vbox{\unvbox#1%
10278     \global\setbox1=\lastbox}%
10279   \unhbox1
10280   \unskip
10281   \unskip
10282   \unpenalty
10283   \hskip\m@mipn@skip}
10284 \bidi@ensure@newcommand{\m@mungebox}{%
10285   \setbox0=\hbox{\m@munvxh0}%
10286   \dp0=\z@
10287   \ht0=\footfudgefactor\wd0

```



```

10288 \box0
10289 \penalty0}
10290 \newskip\m@mipn@skip
10291 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
10292   {\foottextfont\global\m@mipn@skip=#1\relax}}
10293 \m@minterparanoteglue{1em plus.4em minus.4em}
10294 \@ifpackageloaded{multicol}{%
10295 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10296   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10297   \hsize\textwidth%
10298   \setbox0=\hbox{}}%
10299   \loop
10300     \unpenalty
10301     \setbox2=\lastbox
10302   \ifhbox2
10303     \setbox0=\hbox{\box2\unhbox0}
10304   \repeat}
10305 }{%
10306 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10307   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10308   \setbox0=\hbox{}}%
10309   \loop
10310     \unpenalty
10311     \setbox2=\lastbox
10312   \ifhbox2
10313     \setbox0=\hbox{\box2\unhbox0}
10314   \repeat}}
10315 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10316   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10317 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
10318 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10319   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10320   \@bidi@before@Hy@hyperfootnotes
10321   \let\@footnotetext\@parafootnotetext
10322   \let\@LTRfootnotetext\@paraLTRfootnotetext
10323   \let\@RTLfootnotetext\@paraRTLfootnotetext
10324   \dimen\footinsv@r=\footinsdim
10325   \count\footinsv@r=1000\relax
10326   \m@make@para@footgroup{v@r}%
10327   \let\@footgroupv@r\@para@footgroupv@r
10328   \let\@mpfootnotetext\@mpparafootnotetext
10329   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10330   \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10331   \@bidi@after@Hy@hyperfootnotes
10332   \m@make@mppara@footgroup{v@r}%
10333   \let\mp@footgroupv@r\@mppara@footgroupv@r
10334   \begingroup
10335   \def\baselinestretch{\m@m@footnote@spacing}%
10336   \foottextfont
10337   \@tempdima\normalbaselineskip

```



```

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

```



```

10388 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10389 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10390   \parindent=\z@
10391   \parfillskip=0pt \@plus 1fil
10392   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10393 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10394   \global\setbox\@mpfootinsv\@vbox{%
10395     \let\bidi@RTL@everypar\@empty%
10396     \def\baselinestretch{\m@m@footnote@spacing}%
10397     \unvbox\@mpfootinsv
10398     \reset@font\foottextfont
10399     \hsize\columnwidth \@parboxrestore
10400     \protected@edef\@currentlabel{%
10401       \csname p@mpfootnote\endcsname\@thefnmark}%
10402     \setbox0=\vbox{\hsize=\maxdimen
10403       \color@begingroup
10404       \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\endL\fi}%
10405       \color@endgroup}%
10406     \m@mungebox}\m@mmf@prepare}
10407 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10408   \global\setbox\@mpfootinsv\@vbox{%
10409     \let\bidi@RTL@everypar\@empty%
10410     \def\baselinestretch{\m@m@footnote@spacing}%
10411     \unvbox\@mpfootinsv
10412     \reset@font\LTRfoottextfont
10413     \hsize\columnwidth \@parboxrestore
10414     \protected@edef\@currentlabel{%
10415       \csname p@mpfootnote\endcsname\@thefnmark}%
10416     \setbox0=\vbox{\hsize=\maxdimen
10417       \color@begingroup
10418       \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10419       \color@endgroup}%
10420     \m@mungebox}\m@mmf@prepare}
10421 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10422   \global\setbox\@mpfootinsv\@vbox{%
10423     \let\bidi@RTL@everypar\@empty%
10424     \def\baselinestretch{\m@m@footnote@spacing}%
10425     \unvbox\@mpfootinsv
10426     \reset@font\RTLfoottextfont
10427     \hsize\columnwidth \@parboxrestore
10428     \protected@edef\@currentlabel{%
10429       \csname p@mpfootnote\endcsname\@thefnmark}%
10430     \setbox0=\vbox{\hsize=\maxdimen
10431       \color@begingroup
10432       \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10433       \color@endgroup}%
10434     \m@mungebox}\m@mmf@prepare}
10435 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
10436   \m@make@parafootnotetext{#1}%
10437   \m@make@mpparafootnotetext{#1}%

```




```

10438 \m@make@parafootfmt{#1}%
10439 \m@make@para@footgroup{#1}%
10440 \m@make@mppara@footgroup{#1}%
10441 \m@make@para@footstart{#1}%
10442 \bidi@namelongdef{@footnotetext#1}##1{%
10443   \@nameuse{@parafootnotetext#1}{##1}}%
10444 \bidi@namelongdef{@mpfootnotetext#1}##1{%
10445   \@nameuse{@mpparafootnotetext#1}{##1}}%
10446 \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
10447 \@namedef{@mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
10448 \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
10449 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
10450 \expandafter\count\csname footins#1\endcsname=1000\relax
10451 \begingroup
10452 \def\baselinestretch{\m@m@footnote@spacing}%
10453 \@nameuse{foottextfont#1}%
10454 \@tempdima\normalbaselineskip
10455 \multiply \@tempdima \@cclvi
10456 \@tempdimb \columnwidth
10457 \divide \@tempdimb \@cclvi
10458 \divide \@tempdima \@tempdimb
10459 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10460 \endgroup
10461 }
10462 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
10463 \bidi@namelongdef{@parafootnotetext#1}##1{%
10464   \insert\@nameuse{footins#1}{
10465     \def\baselinestretch{\m@m@footnote@spacing}%
10466     \reset@font\@nameuse{foottextfont#1}%
10467     \@preamfntext
10468     \protected@edef\@currentlabel{%
10469       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10470     \setbox0=\vbox{\hsize=\maxdimen
10471       \color@begingroup
10472         \noindent \@nameuse{@parafootfmt#1}{##1}%
10473       \color@endgroup}%
10474     \m@mungebox}\m@mmf@prepare}}
10475 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
10476 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
10477   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10478     \unvbox\@nameuse{@mpfootins#1}
10479     \def\baselinestretch{\m@m@footnote@spacing}%
10480     \reset@font\@nameuse{foottextfont#1}%
10481     \hsize\columnwidth \@parboxrestore
10482     \protected@edef\@currentlabel{%
10483       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10484     \setbox0=\vbox{\hsize=\maxdimen
10485       \color@begingroup
10486         \noindent \@nameuse{@parafootfmt#1}{##1}%
10487       \color@endgroup}%

```



```

10488 \m@mungebox}\m@mmf@prepare}}
10489 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
10490 \bidi@namelongdef{@parafootfmt#1}##1{%
10491 \parindent=\z@
10492 \parfillskip=0pt \@plus 1fil
10493 {\@nameuse{footfootmark#1}\strut
10494 {\@nameuse{foottextfont#1}##1}\penalty-10}}
10495 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10496 \@namedef{@para@footgroup#1}{%
10497 \unvbox\@nameuse{footins#1}
10498 \m@mmakehboxofhboxes
10499 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10500 \@parboxrestore%
10501 \def\baselinestretch{\m@m@footnote@spacing}%
10502 \@nameuse{foottextfont#1}%
10503 \noindent\unhbox0\par}}
10504 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10505 \@namedef{@mppara@footgroup#1}{%
10506 \unvbox\@nameuse{@mpfootins#1}
10507 \m@mmakehboxofhboxes
10508 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10509 \def\baselinestretch{\m@m@footnote@spacing}%
10510 \@nameuse{foottextfont#1}%
10511 \noindent\unhbox0\par}}
10512 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10513 \@namedef{@para@footstart#1}{%
10514 \vskip\bigskipamount
10515 \leftskip=\z@
10516 \rightskip=\z@
10517 \parindent=\z@
10518 \vskip\skip\@nameuse{footins#1}%
10519 \footnoterule}}
10520 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10521 \xdef\@freelist{\@freelist\@midlist}%
10522 \global\let\@midlist\@empty
10523 \@combinefloats}
10524 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10525 \ifvbox\@kludgeins
10526 \@makespecialcolbox
10527 \else
10528 \setbox\@outputbox \vbox to\@colht{%
10529 \@texttop
10530 \dimen@ \dp\@outputbox
10531 \unvbox \@outputbox
10532 \vskip -\dimen@
10533 \@textbottom}%
10534 \fi}
10535 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10536 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10537 \boxmaxdepth\@maxdepth

```



```

10538 \@tempdima\dp\@cclv
10539 \unvbox\@cclv
10540 \vskip-\@tempdima
10541 \bidi@mopfn@bottom
10542 \vskip \skip\footins
10543 \color@begingroup
10544   \normalcolor
10545   \footnoterule
10546   \unvbox \footins
10547 \color@endgroup}}
10548 \newcommand*{\bidi@mopfootnotebf}{\%
10549   \setbox\@outputbox \vbox{\%
10550     \boxmaxdepth\@maxdepth
10551     \unvbox\@outputbox
10552     \bidi@mopfn@bottom
10553     \vskip\skip\footins
10554     \color@begingroup
10555       \normalcolor
10556       \footnoterule
10557       \unvbox \footins
10558     \color@endgroup}}
10559 \gdef\mem@makecol{\%
10560   \m@m@makecolintro
10561   \ifvoid\footins
10562     \setbox\@outputbox \box\@cclv
10563   \else
10564     \m@mopfootnote
10565   \fi
10566   \m@mdoextrafeet
10567   \m@m@makecolfloats
10568   \m@m@makecoltext
10569   \global \maxdepth \@maxdepth}
10570 \gdef\bidi@makecolbf{\%
10571   \m@m@makecolintro
10572   \setbox\@outputbox \box\@cclv
10573   \m@m@makecolfloats
10574   \ifvoid\footins
10575   \else
10576     \bidi@mopfootnotebf
10577   \fi
10578   \m@mdoextrafeet
10579   \m@m@makecoltext
10580   \global \maxdepth \@maxdepth}
10581 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10582 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10583 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10584 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10585 \FeetAboveFloat
10586 \FeetBelowRagged

```



55 File extreport-xetex-bidi.def

```

10587 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10588 \renewcommand*\l@part[2]{%
10589   \ifnum \c@tocdepth >-2\relax
10590     \addpenalty{-\@highpenalty}%
10591     \addvspace{2.25em \@plus\p@}%
10592     \begingroup
10593       \setlength\@tempdima{3em}%
10594       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10595       \parfillskip -\@pnumwidth
10596       {\leavevmode
10597         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10598         \nobreak
10599         \global\@nobreaktrue
10600         \everypar{\global\@nobreakfalse\everypar{}}%
10601       \endgroup
10602   \fi}
10603 \renewcommand*\l@chapter[2]{%
10604   \ifnum \c@tocdepth >\m@ne
10605     \addpenalty{-\@highpenalty}%
10606     \vskip 1.0em \@plus\p@
10607     \setlength\@tempdima{1.5em}%
10608     \begingroup
10609       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10610       \parfillskip -\@pnumwidth
10611       \leavevmode \bfseries
10612       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10613       \hskip -\if@RTL\rightskip\else\leftskip\fi
10614       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10615       \penalty\@highpenalty
10616     \endgroup
10617   \fi}
10618 \def\@makechapterhead#1{%
10619   \vspace*{50\p@}%
10620   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10621     \ifnum \c@secnumdepth >\m@ne
10622       \huge\bfseries \@chapapp\space \thechapter
10623       \par\nobreak
10624       \vskip 20\p@
10625     \fi
10626     \interlinepenalty\@M
10627     \Huge \bfseries #1\par\nobreak
10628     \vskip 40\p@
10629   }}
10630 \def\@makeschapterhead#1{%
10631   \vspace*{50\p@}%
10632   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10633     \normalfont
10634     \interlinepenalty\@M

```



```

10635 \Huge \bfseries #1\par\nobreak
10636 \vskip 40\p@
10637 }}
10638 \renewcommand\left@footnoterule{%
10639 \kern-3\p@
10640 \hrule\@width.4\columnwidth
10641 \kern2.6\p@}
10642 \renewcommand\right@footnoterule{%
10643 \kern-3\p@
10644 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10645 \kern2.6\p@}
10646 \renewenvironment{thebibliography}[1]
10647 {\chapter*{\bibname
10648 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10649 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10650 \bidi@thebibliography@font@hook%
10651 \list{\@biblabel{\@arabic\c@enumiv}}%
10652 {\settowidth\labelwidth{\@biblabel{#1}}%
10653 \leftmargin\labelwidth
10654 \advance\leftmargin\labelsep
10655 \@openbib@code
10656 \usecounter{enumiv}%
10657 \let\p@enumiv\@empty
10658 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10659 \sloppy\clubpenalty4000\widowpenalty4000%
10660 \sfcode`\.\@m}
10661 {\def\@noitemerr
10662 {\@latex@warning{Empty `thebibliography' environment}}}%
10663 \endlist}
10664 \if@titlepage
10665 \renewcommand\maketitle{\begin{titlepage}%
10666 \let\footnotesize\small
10667 \let\right@footnoterule\relax
10668 \let\left@footnoterule\relax
10669 \let\textwidth\footnoterule\relax
10670 \let\footnote\thanks
10671 \null\vfil
10672 \vskip 60\p@
10673 \begin{center}%
10674 {\LARGE \@title \par}%
10675 \vskip 3em%
10676 {\large
10677 \lineskip .75em%
10678 \begin{tabular}[t]{c}%
10679 \@author
10680 \end{tabular}\par}%
10681 \vskip 1.5em%
10682 {\large \@date \par}% % Set date in \large size.
10683 \end{center}\par
10684 \@thanks

```



```

10685 \vfil\null
10686 \end{titlepage}%
10687 \setcounter{footnote}{0}%
10688 \global\let\thanks\relax
10689 \global\let\maketitle\relax
10690 \global\let\@thanks\@empty
10691 \global\let\@author\@empty
10692 \global\let\@date\@empty
10693 \global\let\@title\@empty
10694 \global\let\title\relax
10695 \global\let\author\relax
10696 \global\let\date\relax
10697 \global\let\and\relax
10698 }
10699 \else
10700 \renewcommand\maketitle{\par
10701   \begingroup
10702     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10703     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10704     \long\def\@makefntext##1{\parindent 1em\noindent
10705       \hb@xt@1.8em{%
10706         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10707     \if@twocolumn
10708       \ifnum \col@number=\@ne
10709         \@maketitle
10710       \else
10711         \twocolumn[\@maketitle]%
10712       \fi
10713     \else
10714       \newpage
10715       \global\@topnum\z@ % Prevents figures from going at top of page.
10716       \@maketitle
10717     \fi
10718     \thispagestyle{plain}\@thanks
10719   \endgroup
10720   \setcounter{footnote}{0}%
10721   \global\let\thanks\relax
10722   \global\let\maketitle\relax
10723   \global\let\@maketitle\relax
10724   \global\let\@thanks\@empty
10725   \global\let\@author\@empty
10726   \global\let\@date\@empty
10727   \global\let\@title\@empty
10728   \global\let\title\relax
10729   \global\let\author\relax
10730   \global\let\date\relax
10731   \global\let\and\relax
10732 }
10733 \def\@maketitle{%
10734   \newpage

```



```

10735 \null
10736 \vskip 2em%
10737 \begin{center}%
10738 \let \footnote \thanks
10739 {\LARGE \@title \par}%
10740 \vskip 1.5em%
10741 {\large
10742 \lineskip .5em%
10743 \begin{tabular}[t]{c}%
10744 \@author
10745 \end{tabular}\par}%
10746 \vskip 1em%
10747 {\large \@date}%
10748 \end{center}%
10749 \par
10750 \vskip 1.5em}
10751 \fi
10752 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10753 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
10754 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
10755 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\cparagraph}
10756 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
10757 \renewcommand\theequation{%
10758 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10759 \renewcommand\thefigure{%
10760 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
10761 \renewcommand\thetable{%
10762 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

56 File fancybox-xetex-bidi.def

```

10763 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10764 \def\fancy@oval#1#2#3{%
10765 \boxmaxdepth \maxdimen
10766 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10767 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10768 \@ovxx#1\relax
10769 \advance\@ovxx-\@wholewidth
10770 \@ovyy#2\relax
10771 \advance\@ovyy-\@wholewidth
10772 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10773 \advance\@tempdimb-2\p@
10774 \ifdim\@tempdimb>\the@cornersize\relax
10775 \@tempdimb=\the@cornersize
10776 \fi
10777 \@getcirc\@tempdimb
10778 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10779 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10780 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10781 \@circlefnt

```



```

10782 \setbox\@tempboxa\hbox{\beginL%
10783   \if@ovr \ovvert32\kern -\@tempdima \fi
10784   \if@ovl \kern \ovxx \ovvert01\kern -\@tempdima \kern -\ovxx \fi
10785   \if@ovt \ovhorz \kern -\ovxx \fi
10786   \if@ovb \raise \ovvy \ovhorz \fi\endL}%
10787 \advance\ovdx\ovro
10788 \advance\ovdy\ovro
10789 \advance\ovxx\wholewidth
10790 \wd\@tempboxa=\ovxx
10791 \dp\@tempboxa=\z@}

```

57 File fancyhdr-xetex-bidi.def

```

10792 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10793
10794 \let\f@nch@everypar\everypar
10795
10796 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10797   \f@nch@vbox\headheight{\hbox
10798     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10799     \parbox[b]{\headwidth}{\centering#3}\hfill
10800     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10801
10802 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10803   \f@nch@vbox\footskip{\footrule
10804     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10805     \parbox[t]{\headwidth}{\centering#3}\hfill
10806     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\footrule}}#5}
10807

```

58 File fix2col-xetex-bidi.def

```

10808 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10809 \def\RTL@outputdblcol{%
10810   \if@firstcolumn
10811     \global\@firstcolumnfalse
10812     \global\setbox\@leftcolumn\copy\@outputbox
10813     \splitmaxdepth\maxdimen
10814     \vbadness\maxdimen
10815     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10816     \toks@\expandafter{\topmark}%
10817     \xdef\@firstcoltopmark{\the\toks@}%
10818     \toks@\expandafter{\splitfirstmark}%
10819     \xdef\@firstcolfirstmark{\the\toks@}%
10820     \ifx\@firstcolfirstmark\empty
10821       \global\let\@setmarks\relax
10822     \else
10823       \gdef\@setmarks{%
10824         \let\firstmark\@firstcolfirstmark
10825         \let\topmark\@firstcoltopmark}%

```




```

10826 \fi
10827 \else \global\@firstcolumntrue
10828 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10829 \hskip \columnwidth
10830 \hfil \vrule width\columnseprule \hfil
10831 \hbox to\columnwidth {%
10832 \bidi@firstcolumn@status@write%
10833 \box\@leftcolumn \hss}%
10834 \hskip -\textwidth
10835 \hbox to\columnwidth{%
10836 \bidi@lastcolumn@status@write%
10837 \box\@outputbox \hss}%
10838 \hskip \columnsep
10839 \hskip \columnwidth }}%
10840 \@combinedblfloats \@setmarks \@outputpage
10841 \begingroup \@dblfloatplacement \@startdblcolumn
10842 \@whiles\if@fcolmade \fi
10843 {\@outputpage \@startdblcolumn }\endgroup
10844 \fi}
10845 \def\LTR@outputdblcol{%
10846 \if@firstcolumn
10847 \global\@firstcolumnfalse
10848 \global\setbox\@leftcolumn\copy\@outputbox
10849 \splitmaxdepth\maxdimen
10850 \vbadness\maxdimen
10851 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10852 \toks@\expandafter{\topmark}%
10853 \xdef\@firstcoltopmark{\the\toks@}%
10854 \toks@\expandafter{\splitfirstmark}%
10855 \xdef\@firstcolfirstmark{\the\toks@}%
10856 \ifx\@firstcolfirstmark\@empty
10857 \global\let\@setmarks\relax
10858 \else
10859 \gdef\@setmarks{%
10860 \let\firstmark\@firstcolfirstmark
10861 \let\topmark\@firstcoltopmark}%
10862 \fi
10863 \else
10864 \global\@firstcolumntrue
10865 \setbox\@outputbox\vbox{%
10866 \hb@xt@\textwidth{%
10867 \hb@xt@\columnwidth{%
10868 \bidi@firstcolumn@status@write%
10869 \box\@leftcolumn \hss}%
10870 \hfil
10871 \vrule \@width\columnseprule
10872 \hfil
10873 \hb@xt@\columnwidth{%
10874 \bidi@lastcolumn@status@write%
10875 \box\@outputbox \hss}}}%

```



```

10876 \@combinedblfloats
10877   \@setmarks
10878   \@outputpage
10879   \beginngroup
10880     \@dblfloatplacement
10881     \@startdblcolumn
10882     \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10883   \endgroup
10884 \fi}

```

59 File fleqn-xetex-bidi.def

```

10885 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10886 \renewcommand\relax
10887   \ifmmode\@badmath
10888   \else
10889     \begin{trivlist}%
10890       \@beginparpenalty\predisplaypenalty
10891       \@endparpenalty\postdisplaypenalty
10892       \item[]\leavevmode
10893       \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10894         \hskip\mathindent\bgroup
10895     \fi}
10896 \renewcommand\relax
10897   \ifmmode
10898     \egroup $\hfil% $
10899   \endL\egroup
10900   \end{trivlist}%
10901   \else \@badmath
10902   \fi}
10903 \renewenvironment{equation}%
10904   {\@beginparpenalty\predisplaypenalty
10905   \@endparpenalty\postdisplaypenalty
10906   \refstepcounter{equation}%
10907   \trivlist \item[]\leavevmode
10908     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10909     \displaystyle
10910     \hskip\mathindent}%
10911   {$\hfil % $
10912     \displaywidth\linewidth\hbox{\@eqnnum}%
10913   \endL\egroup
10914   \endtrivlist}

```

60 File float-xetex-bidi.def

```

10915 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
10916 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10917   \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10918   \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10919 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%

```



```

10920 \expandafter\edef\csname the#1\endcsname{%
10921 \expandafter\noexpand\csname
10922 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10923 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```

61 File floatrow-xetex-bidi.def

```

10924 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package]
10925 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
10926 \expandafter\edef\csname theFB@capttype\endcsname{%
10927 \expandafter\noexpand\csname
10928 the#1\endcsname\@SepMark\noexpand\arabic{FB@capttype}}}

```

62 File flowfram-xetex-bidi.def

```

10929 \ProvidesFile{flowfram-xetex-bidi.def}[2018/02/22 v0.3 bidi adaptations for flowfram package]
10930 \def\@outputdblcol{%
10931 \@nxtcol=\c@thisframe
10932 \c@curpg=\c@page
10933 \if@ff@do@nxtcol{\@nxtcol}%
10934 \if@ff@nwp % next flow frame starts on new page
10935 \global\@firstcolumntrue
10936 \setcolbox\c@thisframe
10937 \if@specialpage
10938 \global\@specialpagefalse
10939 \nameuse{ps@\@specialstyle}\relax
10940 \fi
10941 \if@twoside
10942 \ifodd\count\z@
10943 \let\@thehead\@oddhead
10944 \let\@thefoot\@oddfoot
10945 \else
10946 \let\@thehead\@evenhead
10947 \let\@thefoot\@evenfoot
10948 \fi
10949 \else
10950 \let\@thehead\@oddhead
10951 \let\@thefoot\@oddfoot
10952 \fi
10953 \beginenvi
10954 \dodynamicthehead\dodynamicthefoot
10955 \vbadness=\@M
10956 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10957 \combinedblfloats
10958 \outputpage
10959 \advance\c@curpg by -\c@page\relax
10960 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10961 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10962 \outputpage}
10963 \beginngroup

```



```

10964 \dblfloatplacement
10965 \@startdblcolumn
10966 \@whilesw \if@fcolmade \fi
10967 {\@outputpage \@startdblcolumn }\endgroup
10968 \@resetst@tics
10969 \@resetdyn@mics
10970 \else % still on same page, save contents of box255
10971 \global\@firstcolumnfalse
10972 \setcolbox\c@thisframe
10973 \fi
10974 \global\c@thisframe=\@nxtcol
10975 \setcol{\c@thisframe}\relax
10976 \global\colht\vsiz
10977 }
10978 \def\@outputpage{%
10979 \begingroup
10980 \let\protect\noexpand
10981 \@resetactivechars
10982 \global\let\@if@newlist\if@newlist
10983 \global\@newlistfalse\@parboxrestore
10984 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
10985 \bidi@beforeoutputpageshipouthook
10986 \shipout\vbox{\set@typeset@protect
10987 \aftergroup
10988 \endgroup
10989 \aftergroup
10990 \set@typeset@protect
10991 \reset@font\normalsize\normalsfcodes
10992 \let\label\@gobble
10993 \let\index\@gobble
10994 \let\glossary\@gobble
10995 \baselineskip\z@skip
10996 \lineskip\z@skip
10997 \lineskiplimit\z@
10998 \vskip\topmargin\moveright\@themargin
10999 \vbox{%
11000 \global\let\@bidi@BeforeHeader\@firstofone
11001 \bidi@beforeheaderhook
11002 \vskip\headheight
11003 \vskip\headsep
11004 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
11005 \bidi@beforeoutputboxoutputpagehook
11006 \box\@outputbox
11007 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
11008 \bidi@afteroutputboxoutputpagehook
11009 \ifvoid\@bidi@copyins@
11010 \else
11011 \vskip\skip\@bidi@copyins@
11012 \unvbox\@bidi@copyins@
11013 \fi

```



```

11014    }}%
11015    \global\let\bidiafterOutputPageShipOut\@firstofone
11016    \bidiafteroutputpageshipouthook
11017    \global\let\ifnewlist\@ifnewlist
11018    \stepcounter{page}%
11019    \setcounter{displayedframe}{0}%
11020    \let\firstmark\botmark
11021    \global\let\bidiatEndOutputPage\@firstofone
11022    \bidiatendoutputpagehook
11023  }
11024
11025
11026  \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
11027  \expandafter\bidicolor\ff@txtcol}}
11028
11029  \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
11030  {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
11031
11032
11033  \renewcommand*\@docolbox}[1]{%
11034  \edef\ff@frametype{%
11035  \csname @ff@frametype@\romannumeral#1\endcsname}%
11036  \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
11037  \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
11038  \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
11039  \@ff@setoffset{#1}%
11040  \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
11041  \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
11042  \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
11043  {\csname colheight\romannumeral#1\endcsname}{%
11044  \expandafter\box\csname column\romannumeral#1\endcsname}{%
11045  \csname\ff@frametype\endcsname}%
11046  }}{%
11047  \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
11048  {\csname colheight\romannumeral#1\endcsname}{%
11049  \expandafter\box\csname column\romannumeral#1\endcsname}%
11050  }}}
11051  \@ifclassloaded{book}{%
11052  \renewcommand\theequation
11053  {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11054  \renewcommand \thefigure
11055  {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11056  \renewcommand \thetable
11057  {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11058  \renewcommand \thechapter {\@arabic\c@chapter}
11059  \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11060  \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11061  \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11062  \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11063  \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}

```



```

11064 \@ifclassloaded{report}{%
11065 \renewcommand\theequation
11066   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11067 \renewcommand \thefigure
11068   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11069 \renewcommand \thetable
11070   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11071 \renewcommand \thechapter {\@arabic\c@chapter}
11072 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11073 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11074 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11075 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11076 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11077 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11078 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
11079 \else
11080 #2\relax
11081 \fi}

```

63 File footnote-xetex-bidi.def

```

11082 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11083 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11084 \newif\ifbidi@autofooterule
11085 \def\bidi@mpfootnoterule{\footnoterule}
11086 \newcounter{footdir@label}
11087 \renewcommand*{\thefootdir@label}{\footdir@the\value{footdir@label}}
11088 \newcommand*{\footdir@write}{%
11089   \stepcounter{footdir@label}%
11090   \zref@labelbyprops{\thefootdir@label}{abspage}%
11091 }
11092 \newif\iffootdir@debug
11093 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11094 \newtoks\footdir@toks
11095 \newcommand*{\footdir@debug}[1]{%
11096   \iffootdir@debug
11097     \typeout{[footdir] #1}%
11098   \fi
11099 }
11100 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11101 %  \newcommand*{\footdir@LeftRightElse}{%
11102 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
11103 %      \footdir@debug{abspage \the\value{zabspage}: else}%
11104 %      \ltx@thirdofthree
11105 %    }{%
11106 %      \ifcsname footdir@the\value{zabspage}\endcsname L%
11107 %        \footdir@debug{abspage \the\value{zabspage}: left}%
11108 %        \expandafter\ltx@firstofthree
11109 %      \else
11110 %        \footdir@debug{abspage \the\value{zabspage}: right}%

```



```

11111%      \expandafter\ltx@secondofthree
11112%      \fi
11113%    }%
11114%  }%
11115%}{%
11116  \providecommand*{\c@zabspage}{\c@abspage}%
11117  \newcommand*{\footdir@LeftRightElse}{%
11118    \footdir@write
11119    \zifrefundefined{\thefootdir@label}{%
11120      \footdir@debug{abspage ??: else}%
11121      \ltx@thirdofthree
11122    }{%
11123      \edef\footdir@abspage{%
11124        \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11125      }%
11126      \ltx@ifundefined{footdir@\footdir@abspage}{%
11127        \footdir@debug{\footdir@abspage: else}%
11128        \ltx@thirdofthree
11129      }{%
11130        \if\csname footdir@\footdir@abspage\endcsname L%
11131          \footdir@debug{\footdir@abspage: left}%
11132          \expandafter\ltx@firstofthree
11133        \else
11134          \footdir@debug{\footdir@abspage: right}%
11135          \expandafter\ltx@secondofthree
11136        \fi
11137      }%
11138    }%
11139  }%
11140}%}
11141\newcommand*{\footdir@fntext}[1]{%
11142  \zifrefundefined{\thefootdir@label}{%
11143  }{%
11144    \edef\footdir@name{%
11145      footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11146    }%
11147    \@ifundefined{\footdir@name}{%
11148      \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11149    }{%
11150    }%
11151  }
11152
11153\newcommand*{\footdir@temp}[3]{%
11154  \@ifdefinable{#1}{%
11155    \let#1#2%
11156    \renewcommand{#2}[1]{%
11157      \footdir@write
11158      \footdir@fntext{#3}%
11159      \stepcounter{footdir@label}%
11160      \footdir@fntext{#3}%

```



```

11161 \footdir@toks{##1}%
11162 \footdir@toks\expandafter{%
11163 \the\expandafter\footdir@toks
11164 \expandafter
11165 \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
11166 }%
11167 \expandafter#1\expandafter{\the\footdir@toks}%
11168 }%
11169 }%
11170 }
11171
11172 \def\right@footnoterule{%
11173 \kern-3\p@
11174 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11175 \kern2.6\p@}
11176 \def\left@footnoterule{\kern-3\p@
11177 \hrule \@width .4\columnwidth \kern 2.6\p@}
11178 \def\textwidth@footnoterule{\kern-3\p@
11179 \hrule \@width \columnwidth \kern 2.6\p@}
11180 \def\leftfootnoterule{%
11181 \bidi@autofootnoterulefalse%
11182 \def\footnoterule{\left@footnoterule}}
11183 \let\LRfootnoterule=\leftfootnoterule
11184 \def\rightfootnoterule{%
11185 \bidi@autofootnoterulefalse%
11186 \def\footnoterule{\right@footnoterule}}
11187 \def\textwidthfootnoterule{%
11188 \bidi@autofootnoterulefalse%
11189 \def\footnoterule{\textwidth@footnoterule}}
11190
11191
11192
11193 \def\auto@footnoterule{%
11194 \footdir@LeftRightElse%
11195 \left@footnoterule%
11196 \right@footnoterule%
11197 \left@footnoterule%
11198 }
11199
11200
11201
11202 \def\autofootnoterule{%
11203 \bidi@autofootnoteruletrue%
11204 \def\footnoterule{\auto@footnoterule}%
11205 }
11206
11207 \newcommand*{\SplitFootnoteRule}{%
11208 \gdef\split@prev{0}
11209 \let\pagefootnoterule\footnoterule
11210 \let\mpfootnoterule\footnoterule

```




```

11211 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11212 \def\footnoterule{\relax
11213   \ifx \@listdepth\@mplistdepth
11214     \mpfootnoterule
11215   \else
11216     \ifnum\split@prev=\z@
11217       \pagefootnoterule
11218     \else
11219       \splitfootnoterule
11220     \fi
11221     \xdef\split@prev{\the\insertpenalties}%
11222   \fi
11223 }%
11224 }
11225
11226
11227
11228
11229 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11230   \protected@xdef\@thefnmark{\thempfn}%
11231   \@footnotemark\@RTLfootnotetext}}
11232 \def\@xRTLfootnote[#1]{%
11233   \begingroup
11234     \csname c@\@mpfn\endcsname #1\relax
11235     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11236   \endgroup
11237   \@footnotemark\@RTLfootnotetext}
11238 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11239   \protected@xdef\@thefnmark{\thempfn}%
11240   \@footnotemark\@LTRfootnotetext}}
11241 \def\@xLTRfootnote[#1]{%
11242   \begingroup
11243     \csname c@\@mpfn\endcsname #1\relax
11244     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11245   \endgroup
11246   \@footnotemark\@LTRfootnotetext}
11247
11248
11249 \def\setfootnoteRL{\@RTL@footnotetrue}
11250 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11251 \def\setfootnoteLR{\unsetfootnoteRL}
11252
11253 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11254 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11255 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11256
11257 \long\def\@footnotetext#1{\insert\footins{%
11258   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11259   \reset@font%
11260   \bidi@footnotetext@font% \reset@font\footnotesize

```



```

11261 \interlinepenalty\interfootnotelinepenalty
11262 \splittopskip\footnotesep
11263 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11264 \hsize\columnwidth \@parboxrestore
11265 \protected@edef\@currentlabel{%
11266     \csname p@footnote\endcsname\@thefnmark
11267 }%
11268 \color@begingroup
11269     \@makefntext{%
11270         \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11271     \color@endgroup}}%
11272
11273
11274 \long\def\@RTLfootnotetext#1{\insert\footins{%
11275     \@RTLtrue%
11276     \reset@font%
11277     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11278     \interlinepenalty\interfootnotelinepenalty
11279     \splittopskip\footnotesep
11280     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11281     \hsize\columnwidth \@parboxrestore
11282     \protected@edef\@currentlabel{%
11283         \csname p@footnote\endcsname\@thefnmark
11284     }%
11285     \color@begingroup
11286         \@makefntext{%
11287             \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11288         \color@endgroup}}%
11289
11290 \long\def\@LTRfootnotetext#1{\insert\footins{%
11291     \@RTLfalse%
11292     \reset@font%
11293     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11294     \interlinepenalty\interfootnotelinepenalty
11295     \splittopskip\footnotesep
11296     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11297     \hsize\columnwidth \@parboxrestore
11298     \protected@edef\@currentlabel{%
11299         \csname p@footnote\endcsname\@thefnmark
11300     }%
11301     \color@begingroup
11302         \@makefntext{%
11303             \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11304         \color@endgroup}}%
11305
11306 \AtBeginDocument{%
11307 \if@RTL@footnote
11308     \newcommand*{\bidi@footdir@footnote}{R}
11309 \else
11310     \newcommand*{\bidi@footdir@footnote}{L}

```



```

11311 \fi%
11312 }
11313
11314 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11315 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11316 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11317
11318 \long\def\@mpRTLfootnotetext#1{%
11319   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
11320   \global\setbox\@mpfootins\vbox{\@RTLtrue%
11321     \unvbox\@mpfootins
11322     \reset@font%
11323     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11324     \hsize\columnwidth
11325     \@parboxrestore
11326     \protected@edef\@currentlabel
11327       {\csname p@mpfootnote\endcsname\@thefnmark}%
11328     \color@begingroup
11329     \@makefntext{%
11330       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11331     \color@endgroup}}
11332 \long\def\@mpLTRfootnotetext#1{%
11333   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
11334   \global\setbox\@mpfootins\vbox{\@RTLfalse%
11335     \unvbox\@mpfootins
11336     \reset@font%
11337     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11338     \hsize\columnwidth
11339     \@parboxrestore
11340     \protected@edef\@currentlabel
11341       {\csname p@mpfootnote\endcsname\@thefnmark}%
11342     \color@begingroup
11343     \@makefntext{%
11344       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11345     \color@endgroup}}
11346 \long\def\@mpfootnotetext#1{%
11347   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
11348   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11349     \unvbox\@mpfootins
11350     \reset@font%
11351     \bidi@footnotetext@font% \reset@font\footnotesize
11352     \hsize\columnwidth
11353     \@parboxrestore
11354     \protected@edef\@currentlabel
11355       {\csname p@mpfootnote\endcsname\@thefnmark}%
11356     \color@begingroup
11357     \@makefntext{%
11358       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11359     \color@endgroup}}
11360 \def\@iiminipage#1#2[#3]#4{%

```



```

11361 \leavevmode
11362 \@pboxswfalse
11363 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11364 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11365 \setlength\@tempdima{#4}%
11366 \def\@mpargs{#{1}{#2}{#3}{#4}}%
11367 \setbox\@tempboxa\vbox\bgroup
11368   \color@begingroup
11369     \hsize\@tempdima
11370     \textwidth\hsize \columnwidth\hsize
11371     \@parboxrestore
11372     \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11373     \let\@footnotetext\@mpfootnotetext
11374     \let\@LTRfootnotetext\@mpLTRfootnotetext
11375     \let\@RTLfootnotetext\@mpRTLfootnotetext
11376     \let\@listdepth\@mplistdepth \@mplistdepth\z@
11377     \@minipagerestore
11378     \@setminipage}
11379 \def\endminipage{%
11380   \par
11381   \unskip
11382   \ifvoid\@mpfootins\else
11383     \vskip\skip\@mpfootins
11384     \normalcolor
11385     \bidi@mpfootnoterule
11386     \unvbox\@mpfootins
11387   \fi
11388   \@minipagefalse %% added 24 May 89
11389 \color@endgroup
11390 \egroup
11391 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11392 \def\LTRthanks#1{\footnotemark
11393   \protected@xdef\@thanks{\@thanks
11394     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11395 }
11396 \def\LTRfootnotetext{%
11397   \@ifnextchar [\@xLTRfootnotenext
11398     {\protected@xdef\@thefnmark{\thempfn}%
11399     \@LTRfootnotetext}}
11400 \def\@xLTRfootnotenext[#1]{%
11401   \begingroup
11402     \csname c@\@mpfn\endcsname #1\relax
11403     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11404   \endgroup
11405   \@LTRfootnotetext}
11406 \def\RTLthanks#1{\footnotemark
11407   \protected@xdef\@thanks{\@thanks
11408     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11409 }
11410 \let\@thanks\@empty

```



```

11411 \def\RTLfootnotetext{%
11412     \ifnextchar [\@xRTLfootnotenext
11413         {\protected@xdef\@thefnmark{\thempfn}%
11414         \@RTLfootnotetext}}
11415 \def\@xRTLfootnotenext[#1]{%
11416     \begingroup
11417         \csname c@\mpfn\endcsname #1\relax
11418         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11419     \endgroup
11420     \@RTLfootnotetext}
11421 \leftfootnoterule

```

64 File framed-xetex-bidi.def

```

11422 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for X
11423 \renewcommand\TitleBarFrame[3][\begingroup
11424     \ifx\delimiter#1\delimiter
11425         \let\TF@conlab\@empty
11426     \else
11427         \def\TF@conlab{% continuation label
11428             \nointerlineskip
11429             \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
11430     \fi
11431     \let\TF@savecolor\current@color
11432     \textcolor{TFFrameColor}{%
11433         \CustomFBox
11434             {\TF@Title{#2}}{\TF@conlab}%
11435             \fbboxrule\fbboxrule\fbboxrule\fbboxrule
11436             {%\let\current@color\TF@savecolor\set@color #3}%
11437             {\normalcolor #3}%
11438     }\endgroup
11439 }
11440 \renewenvironment{titled-frame}[1]{%
11441     \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
11442         \TitleBarFrame{\textbf{#1}}}%
11443     \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
11444         \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11445     \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
11446         \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont)}}
11447     \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
11448         \TitleBarFrame{\textbf{#1\ (cont)}}}%
11449     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11450 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11451 % could interfere with the width measurement.
11452 {\endMakeFramed}
11453 \chardef\FrameRestore=\catcode`\| % for debug
11454 \catcode`\|=\catcode`\% (debug: insert space after backslash)
11455 \def\fb@put@frame#1#2{\relax
11456     \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11457 | \message{===== Entering putframe =====^~J

```



```

11458 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11459 | \ifinner
11460 | \fb@putboxa#1%
11461 | \fb@afterframe
11462 | \else
11463 | \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11464 | \ifdim\dimen@<2\baselineskip % Too little room on page
11465 | \message{Page has only \the\dimen@\space room left; eject. }%
11466 | \eject \fb@adjheight \fb@put@frame#1#2%
11467 | \else % there's appreciable room left on the page
11468 | \fb@sizeofframe#1%
11469 | \message{\string\pagetotal=\the\pagetotal,
11470 | \string\pagegoal=\the\pagegoal,
11471 | \string\pagestretch=\the\pagestretch,
11472 | \string\pageshrink=\the\pageshrink,
11473 | \string\fb@frh=\the\fb@frh. \space}
11474 | \message{^^JBox of size \the\ht\@tempboxa\space}%
11475 | \begingroup % temporarily set \dimen@ to be...
11476 | \advance\dimen@.8\pageshrink % maximum space available on page
11477 | \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11478 |%%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11479 | \expandafter\endgroup
11480 | % expand \ifdim, then restore \dimen@ to real room left on page
11481 | \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11482 | \message{fits in \the\dimen@. }%
11483 | % ToDo: Change this to use vsplit anyway to capture the marks
11484 | % MERGE THIS WITH THE else CLAUSE!!!
11485 | \fb@putboxa#1%
11486 | \fb@afterframe
11487 | \else % box must be split
11488 | \message{must be split to fit in \the\dimen@. }%
11489 | % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11490 | \fb@sizeofframe#2%
11491 | \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11492 | \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11493 | \kern137sp\kern-137sp\penalty-30
11494 | \unvbox\@tempboxa}%
11495 | \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11496 | \splittopskip\the\splittopskip}%
11497 | \boxmaxdepth\z@ \splittopskip\z@
11498 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11499 | % Split box here
11500 | \setbox\tw@vsplit\@tempboxa to\dimen@
11501 | \toks99\expandafter{\splitfirstmark}%
11502 | \toks98\expandafter{\splitbotmark}%
11503 | \message{Marks are: \the\toks99, \the\toks98. }%
11504 | \setbox\tw@vbox{\unvbox\tw@}% natural-sized
11505 | \message{Natural height of split box is \the\ht\tw@, leaving
11506 | \the\ht\@tempboxa\space remainder. }%
11507 | % If the split-to size > (\vsize-\topskip), then set box to full size.

```



```

11508 \beginngroup
11509 \advance\dimen@ \topskip
11510 \expandafter\endgroup
11511 \ifdim\dimen@>\pagegoal
11512 | \message{Frame is big -- Use up the full column. }%
11513 \dimen@ii\pagegoal
11514 \advance\dimen@ii -\topskip
11515 \advance\dimen@ii \FrameHeightAdjust\relax
11516 \else % suspect this is implemented incorrectly:
11517 % If the split-to size > feasible room_on_page, rebox it smaller.
11518 \advance\dimen@.8\pageshrink
11519 \ifdim\ht\tw@>\dimen@
11520 | \message{Box too tall; rebox it to \the\dimen@. }%
11521 \dimen@ii\dimen@
11522 \else % use natural size
11523 \dimen@ii\ht\tw@
11524 \fi
11525 \fi
11526 % Re-box contents to desired size \dimen@ii
11527 \advance\dimen@ii -\fb@frh
11528 \setbox\tw@\vbox to\dimen@ii \bgroup
11529 % remove simulated frame and page flexibility:
11530 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11531 \unvbox\tw@ \unpenalty\unpenalty
11532 \ifdim\lastkern=-137sp % whole box went to next page
11533 | \message{box split at beginning! }%
11534 % need work here???
11535 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11536 \fb@adjheight
11537 \fb@put@frame#1#2% INSERTED ???
11538 \else % Got material split off at the head
11539 \egroup \fb@resto@set
11540 \ifvoid\@tempboxa % it all fit after all
11541 | \message{box split at end! }%
11542 \setbox\@tempboxa\box\tw@
11543 \fb@putboxa#1%
11544 \fb@afterframe
11545 \else % it really did split
11546 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11547 \ifdim\wd\tw@>\z@
11548 \wd\tw@\wd\@tempboxa
11549 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11550 \else
11551 | \message{Zero width means likely blank. Don't frame it (guess)}%
11552 \box\tw@
11553 \fi
11554 \hrule \@height\z@ \@width\hsize
11555 \eject
11556 \fb@adjheight
11557 \fb@put@frame\LastFrameCommand\MidFrameCommand

```



```

11558 \fi\fi\fi\fi\fi
11559 }
11560 \def\fb@putboxa#1{%
11561   \ifvoid\@tempboxa
11562     \PackageWarning{framed}{Boxa is void -- discard it. }%
11563   \else
11564     \message{Frame and place boxa. }%
11565     %{\showoutput\showbox\@tempboxa}%
11566     \centerline{#1{\hboxL{\box\@tempboxa}}}%
11567   \fi
11568 }
11569 \catcode`\|=\FrameRestore
11570 \def\FrameRestore{%
11571   \let\if@nobreak\iffalse
11572   \let\if@noskipsec\iffalse
11573   \let\-\@dischyp
11574   \let\'\@acci\let\`\@accii\let\=\@acciii
11575   % \message{FrameRestore:
11576   %   \@totalleftmargin=\the \@totalleftmargin,
11577   %   \rightmargin=\the\rightmargin,
11578   %   \@listdepth=\the\@listdepth. }%
11579   % Test if we are in a list (or list-like paragraph)
11580   \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11581     \ifdim\rightmargin>\z@ 1\fi
11582     \ifnum\@listdepth>\z@ 1\fi 0>\z@
11583     % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11584     %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11585     %   \labelwidth=\the\labelwidth. }%
11586     \@setminipage % snug fit around the item
11587     % Now try to propagate changes of width from \hsize to list parameters.
11588     % This is deficient, but a more advanced way to indicate modification to text
11589     % dimensions is not (yet) provided; in particular, no separate left/right
11590     % adjustment.
11591     \advance\linewidth-\columnwidth \advance\linewidth\hsize
11592     \parshape\@ne \@totalleftmargin \linewidth
11593   \else % Not in list
11594     \linewidth=\hsize
11595     %\message{No list, set \string\linewidth=\the\hsize. }%
11596   \fi
11597   \sloppy
11598 }

```

65 File ftnright-xetex-bidi.def

```

11599 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11600
11601 \def\LTR@outputdblcol{%
11602   \if@firstcolumn
11603     \global\@firstcolumnfalse
11604     \global\setbox\@leftcolumn\copy\@outputbox

```




```

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

```



```

11655 \splitmaxdepth\maxdimen
11656 \vbadness\maxdimen
11657 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11658 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11659 \toks@\expandafter{\topmark}%
11660 \xdef\@firstcoltopmark{\the\toks@}%
11661 \toks@\expandafter{\splitfirstmark}%
11662 \xdef\@firstcolfirstmark{\the\toks@}%
11663 \ifx\@firstcolfirstmark\@empty
11664 \global\let\@setmarks\relax
11665 \else
11666 \gdef\@setmarks{%
11667 \let\firstmark\@firstcolfirstmark
11668 \let\topmark\@firstcoltopmark}%
11669 \fi
11670 \else
11671 \preparefootins
11672 \global\@firstcolumntrue
11673 \setbox\@outputbox\vbox{%
11674 \hb@xt@\textwidth{%
11675 \hskip \columnwidth
11676 \hfil
11677 {\normalcolor\vrule \@width\columnseprule}%
11678 \hfil
11679 \hb@xt@\columnwidth{%
11680 \bidi@firstcolumn@status@write%
11681 \box\@leftcolumn \hss}%
11682 \hskip -\textwidth
11683 \hb@xt@\columnwidth{%
11684 \bidi@lastcolumn@status@write%
11685 \box\@outputbox \hss}%
11686 \hskip \columnsep
11687 \hskip \columnwidth }}%
11688 \@combinedblfloats
11689 \@setmarks
11690 \@outputpage
11691 \begingroup
11692 \@dblfloatplacement
11693 \@startdblcolumn
11694 \@whiles\if@fcolmade \fi{\@outputpage
11695 \@startdblcolumn}%
11696 \endgroup
11697 \fi}%
11698
11699
11700
11701 \let\leftfootnoterule\@empty
11702 \let\rightfootnoterule\@empty
11703 \let\textwidthfootnoterule\@empty
11704 \let\autofootnoterule\@empty

```



```

11705 \let\footnoterule\@empty
11706 \long\def\@makefntext#1{\parindent 1em
11707   \noindent\hbox to 2em{}%
11708   \llap{\@thefnmark\hbox{.}\,.\,}\#1}

```

66 File `graphicx-xetex-bidi.def`

```

11709 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
11710 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11711   \Grot@setangle{#1}%
11712   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11713   \Grot@x\z@
11714   \Grot@y\z@
11715   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11716 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11717   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11718   \Grot@x\width \divide\Grot@x\tw@
11719   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11720   \setkeys{Grot}{#1}%
11721   \setbox\z@\box\@tempboxa
11722   \Grot@setangle{#2}%
11723   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11724   \@end@tempboxa}
11725 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11726   \leavevmode
11727   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11728   \setbox\z@\hbox{#3}%
11729   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11730   \ifdim#2\p@<\z@
11731     \ht\tw@-#2\dp\z@
11732     \dp\tw@-#2\ht\z@
11733   \else
11734     \ht\tw@#2\ht\z@
11735     \dp\tw@#2\dp\z@
11736   \fi
11737   \ifdim#1\p@<\z@
11738     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11739   \else
11740     \wd\tw@#1\wd\z@
11741     \box\tw@
11742   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11743 \def\Gin@iii[#1,#2][#3,#4]#5{%
11744   \begingroup
11745   \ifmmode\else\if@RTL\beginL\fi\fi
11746   \Gin@bboxtrue
11747   \Gin@defaultbp\Gin@llx{#1}%
11748   \Gin@defaultbp\Gin@lly{#2}%
11749   \Gin@defaultbp\Gin@urx{#3}%
11750   \Gin@defaultbp\Gin@ury{#4}%
11751   \Gin@include@graphics{#5}%

```



```

11752 \ifmmode\else\if@RTL\endL\fi\fi
11753 \endgroup}
11754 \def\Gin@ii[#1]#2{%
11755   \def\@tempa{[]}\def\@tempb{#2}%
11756   \ifx\@tempa\@tempb
11757     \def\@tempa{\Gin@iii[#1] []}%
11758     \expandafter\@tempa
11759   \else
11760     \begingroup
11761       \ifmmode\else\if@RTL\beginL\fi\fi
11762       \@tempswafalse
11763       \toks@{\Gin@include@graphics{#2}}%
11764       \setkeys{Gin}{#1}%
11765       \Gin@esetsize
11766       \the\toks@
11767       \ifmmode\else\if@RTL\endL\fi\fi
11768     \endgroup
11769   \fi}
11770 \def\reflectbox{\bidiGscale@box-1[1]}
11771 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11772   \leavevmode
11773   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11774   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11775   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11776   \ifdim#2\p<\z@
11777     \ht\tw@-#2\dp\z@
11778     \dp\tw@-#2\ht\z@
11779   \else
11780     \ht\tw@#2\ht\z@
11781     \dp\tw@#2\dp\z@
11782   \fi
11783   \ifdim#1\p<\z@
11784     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11785   \else
11786     \wd\tw@#1\wd\z@
11787     \box\tw@
11788   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11789 \def\scalebox#1{%
11790   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
11791 \def\resizebox{%
11792   \leavevmode
11793   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11794 \def\bidiGscale@@box#1#2#3{%
11795   \let\@tempa\Gin@exclamation
11796   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11797   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11798   \ifx\@tempb\@tempa
11799     \ifx\@tempc\@tempa
11800       \toks@{\mbox}%
11801     \else

```



```

11802      \toks@{\bidiGscale@box@odd{#3}#1}%
11803      \fi
11804    \else
11805      \ifx\@tempc\@tempa
11806        \toks@{\bidiGscale@box@odd{#2}\width}%
11807      \else
11808        \toks@{\bidiGscale@box@odd{#2}\width{#3}#1}%
11809      \fi
11810    \fi
11811    \the\toks@}
11812  \long\def\bidiGscale@box@odd#1#2#3{%
11813    \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11814    \setlength\@tempdima{#1}%
11815    \setlength\@tempdimb{#2}%
11816    \Gscale@div\@tempa\@tempdima\@tempdimb
11817    \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11818    \@end@tempboxa}
11819  \long\def\bidiGscale@box@odd#1#2#3#4#5{%
11820    \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11821    \setlength\@tempdima{#1}%
11822    \setlength\@tempdimb{#2}%
11823    \Gscale@div\@tempa\@tempdima\@tempdimb
11824    \setlength\@tempdima{#3}%
11825    \setlength\@tempdimb{#4}%
11826    \Gscale@div\@tempb\@tempdima\@tempdimb
11827    \ifGin@iso
11828      \ifdim\@tempa\p@>\@tempb\p@
11829        \let\@tempa\@tempb
11830      \else
11831        \let\@tempb\@tempa
11832      \fi
11833    \fi
11834    \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11835    \@end@tempboxa}

```

67 File geometry-xetex-bidi.def

```

11836 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11837 \renewcommand*{\Gm@vrules@mpi}{%
11838 \if@RTLmain%
11839   \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11840   \llap{\Gm@vrule}\ignorespaces
11841   \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11842   \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11843 \else%
11844   \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11845   \hskip \textwidth\Gm@vrule\hskip \marginparsep
11846   \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11847 \renewcommand*{\Gm@vrules@mpii}{%
11848 \if@RTLmain%

```



```

11849 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11850 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11851 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11852 \else%
11853 \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11854 \llap{\Gm@vrule}\ignorespaces
11855 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11856 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11857 \bidi@patchcmd{\Gm@pageframes}{%
11858 \ifodd\count\z@
11859 \let\@themargin\oddsidemargin
11860 \else
11861 \let\@themargin\evensidemargin
11862 \fi
11863 }{%
11864 \ifodd\count\z@
11865 \if@RTLmain
11866 \let\@themargin\evensidemargin
11867 \else
11868 \let\@themargin\oddsidemargin
11869 \fi
11870 \else
11871 \if@RTLmain
11872 \let\@themargin\oddsidemargin
11873 \else
11874 \let\@themargin\evensidemargin
11875 \fi
11876 \fi
11877 }{}{}

```

68 File hvfloat-xetex-bidi.def

```

11878 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11879 \def\do@hvFloat[#1]#2#3{%
11880 \def\hv@shortCap{#1}
11881 \def\hv@longCap{#2}
11882 \def\hv@label{#3}
11883 %\newcommand*{\hvFloat}[5][{}]{%
11884 % [#1]: keyvalues
11885 % #2: type figure | table | ...
11886 % #3: float contents
11887 % [#4]: short caption
11888 % #5: caption
11889 % #6: label
11890 % \setDefault%
11891 % \def\@tempa{#1}%
11892 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11893 \def\@tempa{90}%
11894 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11895 \else \setlength{\hvMaxCapWidth}{\linewidth}

```



```

11896 \fi
11897 %
11898 % First we save the object in \hvObjectBox
11899 %
11900 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11901   \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11902 \else
11903   \savebox{\hvObjectBox}{%
11904     \rotatebox{\hvSet@objectAngle}{%
11905       \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11906 \fi
11907 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11908 %
11909 % Now we save the caption with its defined \hvCapWidth
11910 %
11911 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11912 \else
11913   \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11914   \else
11915     \setlength{\hvCapWidth}{\hvObjectWidth}
11916     \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11917     \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11918     \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11919 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11920     \else
11921 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11922     \fi
11923   \fi
11924 \fi
11925 %
11926 % now we have the object and the caption with the right
11927 % rotated angles saved in boxes
11928 %
11929 \def\fps@figure{\hvSet@floatPos}
11930 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11931 \else \begin{\hv@floatType}% Start the floating environment
11932 \fi%
11933 \saveCaptionSkip% we put this space ourselves
11934 \ifx\hvSet@capAngle\hv@Width % need rotation?
11935   \sbox{\hvCaptionBox}{%
11936     \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11937       \ifhv@nonFloat%
11938 \ifhv@onlyText#2%
11939       \else%
11940       \ifx\hv@floatType\hv@figure
11941         \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
11942       \else
11943         \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
11944       \fi
11945     \fi

```



```

11946 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11947 \fi%
11948 \label{#3}%
11949 \end{minipage}%
11950 }%
11951 \else%
11952 \sbox{\hvCaptionBox}{%
11953 \rotatebox{\hvSet@capAngle}{%
11954 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11955 \ifhv@nonFloat%
11956 \ifhv@onlyText#2%
11957 \else%
11958 \ifx\hv@floatType\hv@figure
11959 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11960 \else
11961 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11962 \fi
11963 \fi
11964 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11965 \fi%
11966 \label{#3}%
11967 \end{minipage}%
11968 }%
11969 }%
11970 \fi%
11971 %%
11972 \restoreCaptionSkip% save old values
11973 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11974 \else%
11975 \ifx\hvSet@objectPos\hv@Center
11976 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11977 \fi%
11978 \fi%
11979 %
11980 % to rotate object and caption together, we save all in another box
11981 % the caption comes first, if its on the left or the top
11982 %
11983 \savebox{\@tempboxa}{%
11984 \ifx\hvSet@capPos\hv@Left % caption on left side
11985 \if@RTL%
11986 \ifx\hvSet@capVPos\hv@Center%
11987 \ifhv@fbox
11988 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11989 \else
11990 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11991 \fi%
11992 \hspace{\hvSet@floatCapSep pt}%
11993 \ifhv@fbox
11994 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11995 \else

```




```

11996 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11997 \fi%
11998 \else%
11999 \ifx\hvSet@capVPos\hv@Top
12000 \ifhv@fbox
12001 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12002 \else
12003 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12004 \fi%
12005 \hspace{\hvSet@floatCapSep pt}%
12006 \ifhv@fbox
12007 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12008 \else
12009 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12010 \fi
12011 \else
12012 \ifhv@fbox
12013 \fbox{\usebox{\hvObjectBox}}%
12014 \else
12015 \usebox{\hvObjectBox}%
12016 \fi
12017 \hspace{\hvSet@floatCapSep pt}%
12018 \ifhv@fbox
12019 \fbox{\usebox{\hvCaptionBox}}%
12020 \else
12021 \usebox{\hvCaptionBox}%
12022 \fi%
12023 \fi%
12024 \fi%
12025 \else% not RTL
12026 \ifx\hvSet@capVPos\hv@Center%
12027 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12028 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12029 \fi%
12030 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12031 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12032 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12033 \fi%
12034 \else%
12035 \ifx\hvSet@capVPos\hv@Top % caption at top
12036 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12037 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12038 \fi
12039 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12040 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12041 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12042 \fi%
12043 \else% caption on bottom
12044 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12045 \else\usebox{\hvCaptionBox}

```



```

12046      \fi%
12047      \hspace{\hvSet@floatCapSep pt}%
12048      \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12049      \else      \usebox{\hvObjectBox}
12050      \fi%
12051      \fi%
12052 \fi% end of RTL
12053 \fi%
12054 \else
12055 \ifx\hvSet@capPos\hv@Top
12056 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12057 \begin{minipage}{\wd\hvCaptionBox}
12058 \else
12059 \begin{minipage}{\wd\hvObjectBox}
12060 \fi
12061 \centering
12062 \ifhv@fbox
12063 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12064 \fbbox{\usebox{\hvObjectBox}}
12065 \else
12066 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12067 \usebox{\hvObjectBox}
12068 \fi%
12069 \end{minipage}
12070 \else
12071 \ifx\hvSet@capPos\hv@Bottom
12072 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12073 \begin{minipage}{\wd\hvCaptionBox}
12074 \else
12075 \begin{minipage}{\wd\hvObjectBox}
12076 \fi
12077 \centering
12078 \ifhv@fbox
12079 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12080 \fbbox{\usebox{\hvCaptionBox}}
12081 \else
12082 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12083 \usebox{\hvCaptionBox}
12084 \fi%
12085 \end{minipage}
12086 \else% the last option: put the caption on the right
12087 \if@RTL%
12088 \ifx\hvSet@capVPos\hv@Center%
12089 \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12090 \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12091 \fi%
12092 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12093 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12094 \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12095 \fi%

```



```

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

```



```

12146 \fi
12147 \hspace{\hvSet@floatCapSep pt}%
12148 \ifhv@fbox
12149 \fbox{\usebox{\hvCaptionBox}}%
12150 \else
12151 \usebox{\hvCaptionBox}%
12152 \fi%
12153 \fi%
12154 \fi
12155 \fi% end of RTL
12156 \fi
12157 \fi
12158 \fi
12159 }% End savebox Object and caption
12160 %
12161 % now we rotate the object and caption, if needed
12162 %
12163 \ifx\hvSet@rotAngle\hv@Zero
12164 \usebox{\@tempboxa}
12165 \else
12166 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12167 \fi
12168 \ifhv@nonFloat
12169 \ifx\hvSet@objectPos\hv@Center
12170 \ifhv@nonFloat
12171 \hspace{\fill}
12172 \fi
12173 \fi
12174 \endgroup% End the nonfloat part
12175 \else
12176 \end{\hv@floatType}% End the floating environment
12177 \fi
12178 }

```

69 File hyperref-xetex-bidi.def

```

12179 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12180 \AtBeginDocument{%
12181 \def\contentsline#1#2#3#4{%
12182 \ifx\#4\%
12183 \csname l@#1\endcsname{#2}{#3}%
12184 \else
12185 \ifcase\Hy@linktoc % none
12186 \csname l@#1\endcsname{#2}{#3}%
12187 \or % section
12188 \csname l@#1\endcsname{%
12189 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12190 }{#3}%
12191 \or % page
12192 \csname l@#1\endcsname{#2}{#3}%

```



```

12193         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12194     }%
12195     \else % all
12196         \csname l@#1\endcsname{%
12197             \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12198         }{%
12199             \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12200         }%
12201     \fi
12202 \fi
12203 }
12204 \ifHy@hyperfootnotes
12205     \let\H@@footnotetext\@footnotetext
12206     \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12207     \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12208     \def\@xfootnotenext[#1]{%
12209         \begingroup
12210             \csname c@\@mpfn\endcsname #1\relax
12211             \unrestored@protected@xdef\@thefnmark{\thempfn}%
12212         \endgroup
12213         \ifx\@footnotetext\@mpfootnotetext
12214             \expandafter\H@@mpfootnotetext
12215         \else
12216             \expandafter\H@@footnotetext
12217         \fi
12218     }%
12219     \def\@xRTLfootnotenext[#1]{%
12220         \begingroup
12221             \csname c@\@mpfn\endcsname #1\relax
12222             \unrestored@protected@xdef\@thefnmark{\thempfn}%
12223         \endgroup
12224         \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12225             \expandafter\HRTL@mpRTLfootnotetext
12226         \else
12227             \expandafter\HRTL@RTLfootnotetext
12228         \fi
12229     }%
12230     \def\@xLTRfootnotenext[#1]{%
12231         \begingroup
12232             \csname c@\@mpfn\endcsname #1\relax
12233             \unrestored@protected@xdef\@thefnmark{\thempfn}%
12234         \endgroup
12235         \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12236             \expandafter\HLTR@mpLTRfootnotetext
12237         \else
12238             \expandafter\HLTR@LTRfootnotetext
12239         \fi
12240     }%
12241     \def\@xfootnotemark[#1]{%
12242         \begingroup

```



```

12243 \c@footnote #1\relax
12244 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12245 \endgroup
12246 \H@@footnotemark
12247 }%
12248 \let\H@@mpfootnotetext\@mpfootnotetext
12249 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
12250 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
12251 \long\def\@mpfootnotetext#1{%
12252 \H@@mpfootnotetext{%
12253 \ifHy@nesting
12254 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12255 \else
12256 \Hy@raisedlink{%
12257 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12258 }#1%
12259 \fi
12260 }%
12261 }%
12262 \long\def\@mpRTLfootnotetext#1{%
12263 \HRTL@mpRTLfootnotetext{%
12264 \ifHy@nesting
12265 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12266 \else
12267 \Hy@raisedlink{%
12268 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12269 }#1%
12270 \fi
12271 }%
12272 }%
12273 \long\def\@mpLTRfootnotetext#1{%
12274 \HLTR@mpLTRfootnotetext{%
12275 \ifHy@nesting
12276 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12277 \else
12278 \Hy@raisedlink{%
12279 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12280 }#1%
12281 \fi
12282 }%
12283 }%
12284 \long\def\@footnotetext#1{%
12285 \H@@footnotetext{%
12286 \ifHy@nesting
12287 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12288 \else
12289 \Hy@raisedlink{%
12290 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12291 }%
12292 \let\@currentHlabel\Hy@footnote@currentHlabel

```



```

12293         \let\@currentHref\Hy@footnote@currentHref
12294         \let\@currentlabelname\@empty
12295         #1%
12296     \fi
12297 }%
12298 }%
12299 \long\def\@RTLfootnotetext#1{%
12300 \HRTL@RTLfootnotetext{%
12301     \ifHy@nesting
12302         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12303     \else
12304         \Hy@raisedlink{%
12305             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12306         }%
12307         \let\@currentHlabel\Hy@footnote@currentHlabel
12308         \let\@currentHref\Hy@footnote@currentHref
12309         \let\@currentlabelname\@empty
12310         #1%
12311     \fi
12312 }%
12313 }%
12314 \long\def\@LTRfootnotetext#1{%
12315 \HLTR@LTRfootnotetext{%
12316     \ifHy@nesting
12317         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12318     \else
12319         \Hy@raisedlink{%
12320             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12321         }%
12322         \let\@currentHlabel\Hy@footnote@currentHlabel
12323         \let\@currentHref\Hy@footnote@currentHref
12324         \let\@currentlabelname\@empty
12325         #1%
12326     \fi
12327 }%
12328 }%
12329 \@ifpackageloaded{tabularx}{%
12330 \let\HyOrg@TX@endtabularx\TX@endtabularx
12331 \def\Hy@tabularx@hook{%
12332     \let\@footnotetext\H@@footnotetext
12333     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12334     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12335     \let\@footnotemark\H@@footnotemark
12336     \let\@mpfootnotetext\H@mpfootnotetext
12337     \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
12338     \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
12339 }%
12340 \begingroup
12341 \toks@expandafter{\TX@endtabularx}%
12342 \xdef\Hy@gtemp{%

```



```

12343     \noexpand\Hy@tabularx@hook
12344     \the\toks@
12345   }%
12346 \endgroup
12347 \let\TX@endtabularx\Hy@gtemp
12348 }{}%
12349 \@ifpackageloaded{longtable}{%
12350 \CheckCommand*{\LT@p@LTRfootnotetext}[1]{%
12351   \edef\@tempa{%
12352     \the\LT@p@ftn
12353     \noexpand\LTRfootnotetext[\the\c@footnote]%
12354   }%
12355   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12356 }%
12357 \long\def\LT@p@LTRfootnotetext#1{%
12358   \edef\@tempa{%
12359     \the\LT@p@ftn
12360     \begingroup
12361       \noexpand\c@footnote=\the\c@footnote\relax
12362       \noexpand\protected@xdef\noexpand\@thefnmark{%
12363         \noexpand\thempfn
12364       }%
12365       \noexpand\Hy@LT@LTRfootnotetext{%
12366         \Hy@footnote@currentHref
12367       }%
12368     }%
12369     \global\LT@p@ftn\expandafter{%
12370       \@tempa{#1}%
12371     }%
12372   }%
12373 }%
12374 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12375 \HLTR@@@LTRfootnotetext{%
12376   \ifHy@nesting
12377     \hyper@@anchor{#1}{#2}%
12378   \else
12379     \Hy@raisedlink{%
12380       \hyper@@anchor{#1}{\relax}%
12381     }%
12382     \def\@currentHref{#1}%
12383     \let\@currentlabelname\@empty
12384     #2%
12385   \fi
12386 }%
12387 }%
12388 \CheckCommand*{\LT@p@RTLfootnotetext}[1]{%
12389   \edef\@tempa{%
12390     \the\LT@p@ftn
12391     \noexpand\RTLfootnotetext[\the\c@footnote]%
12392   }%

```




```

12393     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12394 }%
12395 \long\def\LT@p@RTLftntext#1{%
12396     \edef\@tempa{%
12397         \the\LT@p@ftn
12398     \begingroup
12399         \noexpand\c@footnote=\the\c@footnote\relax
12400         \noexpand\protected@xdef\noexpand\@thefnmark{%
12401             \noexpand\thempfn
12402         }%
12403         \noexpand\Hy@LT@RTLfootnotetext{%
12404             \Hy@footnote@currentHref
12405         }%
12406     }%
12407     \global\LT@p@ftn\expandafter{%
12408         \@tempa{#1}%
12409     \endgroup
12410 }%
12411 }%
12412 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12413     \HRTL@RTLfootnotetext{%
12414         \ifHy@nesting
12415             \hyper@@anchor{#1}{#2}%
12416         \else
12417             \Hy@raisedlink{%
12418                 \hyper@@anchor{#1}{\relax}%
12419             }%
12420             \def\@currentHref{#1}%
12421             \let\@currentlabelname\@empty
12422             #2%
12423         \fi
12424     }%
12425 }%
12426 }{}%
12427 \@ifpackageloaded{bidipoem}{%
12428     \long\def\bidipoem@p@ftntext#1{%
12429         \edef\@tempx{%
12430             \the\bidipoem@p@ftn
12431         \begingroup
12432             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12433             \noexpand\protected@xdef\noexpand\@thefnmark{%
12434                 \noexpand\thempfn
12435             }%
12436             \noexpand\Hy@bidipoem@footnotetext{%
12437                 \Hy@footnote@currentHref
12438             }%
12439         }%
12440     \global\bidipoem@p@ftn\expandafter{%
12441         \@tempx{#1}%
12442     \endgroup

```



```

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

```



```

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

```



```

12543     \let\@footnotemark\Hy@saved@footnotemark
12544     \fi
12545     \ifx\@footnotetext\H@@footnotetext
12546         \let\@footnotetext\Hy@saved@footnotetext
12547     \fi
12548     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12549         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12550     \fi
12551     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12552         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12553     \fi
12554 }%
12555 \def\realfootnote{%
12556     \@ifnextchar[\@xfootnote{%
12557         \stepcounter{\@mpfn}%
12558         \protected@xdef\@thefnmark{\thempfn}%
12559         \H@@footnotemark\H@@footnotetext
12560     }%
12561 }%
12562 \fi
12563 \def\Hy@BeginAnnot#1{%
12564     \ifmmode\else\beginL\fi%
12565     \global\advance\c@Hy@AnnotLevel\@ne
12566     \ifnum\c@Hy@AnnotLevel=\@ne
12567         #1%
12568     \fi
12569 }
12570 \def\Hy@EndAnnot{%
12571     \ifnum\c@Hy@AnnotLevel=\@ne
12572         \Hy@endcolorlink
12573         \@pdfm@mark{eann}%
12574     \fi
12575     \global\advance\c@Hy@AnnotLevel\m@ne
12576     \ifmmode\else\endL\fi%
12577 }
12578 \def\hyper@link#1#2#3{%
12579     \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\
12580 }
12581 \def\hyper@linkfile#1#2#3{%
12582     \leavevmode
12583     \Hy@BeginAnnot{%
12584         \def\Hy@pstringF{#2}%
12585         \Hy@CleanupFile\Hy@pstringF
12586         \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12587         \Hy@pstringdef\Hy@pstringD{#3}%
12588         \Hy@MakeRemoteAction
12589         \@pdfm@mark{%
12590             bann<<%
12591             /Type/Annot%
12592             /Subtype/Link%

```



```

12593     \ifHy@pdfa /F 4\fi
12594     \Hy@setpdfborder
12595     \ifx\@filebordercolor\relax
12596     \else
12597         /C[\@filebordercolor]%
12598     \fi
12599     /A<<%
12600         /S/GoToR%
12601         /F(\Hy@pstringF)%
12602         /D%
12603         \ifx\#3\%
12604             [\Hy@href@page\@pdfremotestartview]%
12605         \else
12606             (\Hy@pstringD)%
12607         \fi
12608         \Hy@SetNewWindow
12609         \Hy@href@nextactionraw
12610     >>%
12611 >>%
12612 }%
12613 \Hy@colorlink\@filecolor
12614 }%
12615 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12616 \Hy@endAnnot
12617 }
12618 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12619 \leavevmode
12620 \Hy@BeginAnnot{%
12621     \Hy@pstringdef\Hy@pstringF{#1}%
12622     \Hy@pstringdef\Hy@pstringP{#3}%
12623     \@pdfm@mark{%
12624         bann<<%
12625         /Type/Annot%
12626         /Subtype/Link%
12627         \ifHy@pdfa /F 4\fi
12628         \Hy@setpdfborder
12629         \ifx\@runbordercolor\relax
12630         \else
12631             /C[\@runbordercolor]%
12632         \fi
12633         /A<<%
12634             /F(\Hy@pstringF)%
12635             /S/Launch%
12636             \Hy@SetNewWindow
12637             \ifx\#3\%
12638             \else
12639                 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12640             \fi
12641             \Hy@href@nextactionraw
12642         >>%

```



```

12643     >>%
12644   }%
12645   \Hy@colorlink\@runcolor
12646 }%
12647 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12648 \Hy@EndAnnot
12649 }
12650 \def\hyper@linkurl#1#2{%
12651   \leavevmode
12652   \Hy@BeginAnnot{%
12653     \Hy@pstringdef\Hy@pstringURI{#2}%
12654     \@pdfm@mark{%
12655       bann<<%
12656         /Type/Annot%
12657         /Subtype/Link%
12658         \ifHy@pdfa /F 4\fi
12659         \Hy@setpdfborder
12660         \ifx\@urlbordercolor\relax
12661         \else
12662           /C[\@urlbordercolor]%
12663         \fi
12664         /A<<%
12665         /S/URI%
12666         /URI(\Hy@pstringURI)%
12667         \ifHy@href@ismap
12668           /IsMap true%
12669         \fi
12670         \Hy@href@nextactionraw
12671       >>%
12672     >>%
12673   }%
12674   \Hy@colorlink\@urlcolor
12675 }%
12676 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12677 \Hy@EndAnnot
12678 }
12679 \def\Acrobatmenu#1#2{%
12680   \Hy@Acrobatmenu{#1}{#2}{%
12681     \Hy@BeginAnnot{%
12682       \EdefEscapeName\Hy@temp@menu{#1}%
12683       \@pdfm@mark{%
12684         bann<<%
12685           /Type/Annot%
12686           /Subtype/Link%
12687           \ifHy@pdfa /F 4\fi
12688           \Hy@setpdfborder
12689           \ifx\@menubordercolor\relax
12690           \else
12691             /C[\@menubordercolor]%
12692           \fi

```



```

12693      /A<<%
12694      /S/Named%
12695      /N/\Hy@temp@menu
12696      \Hy@href@nextactionraw
12697      >>%
12698      >>%
12699      }%
12700      \Hy@colorlink\@menucolor
12701      }%
12702      \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12703      \Hy@endAnnot
12704      }%
12705      }
12706      \def\hyper@natlinkstart#1{%
12707      \Hy@backout{#1}%
12708      \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12709      \def\hyper@nat@current{#1}%
12710      }
12711      \def\hyper@natlinkend{%
12712      \if@RTL\endR\fi\hyper@linkend
12713      }
12714      \def\hyper@natlinkbreak#1#2{%
12715      \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12716      }%
12717      }
12718      \pdfstringdefDisableCommands{%
12719      \let\LRE\@firstofone
12720      \let\LR\@firstofone
12721      \let\RLE\@firstofone
12722      \let\RL\@firstofone
12723      \def\XeTeX{Xe\TeX}
12724      \def\XeLaTeX{Xe\LaTeX}
12725      }
12726      \@ifpackageloaded{longtable}{%
12727      \begingroup
12728      \def\y{\LT@array}%
12729      \@ifundefined{scrLT@array}{%
12730      \@ifundefined{adlLT@array}{\def\y{\adlLT@array}}%
12731      }\def\y{\scrLT@array}}%
12732      \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12733      \expandafter\endgroup
12734      \expandafter\def\y[##1]##2{%
12735      \H@refstepcounter{#1}%
12736      \hyper@makecurrent{table}%
12737      \let\Hy@LT@currentHref\@currentHref
12738      #2\@sharp###4%
12739      }%
12740      }%
12741      \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
12742      \begingroup

```



```

12743 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12744 \endgroup
12745 \def\LT@start{%
12746 #1%
12747 \ifvoid\LT@foot#2\fi
12748 \let\@currentHref\Hy@LT@currentHref
12749 \Hy@raisedlink{%
12750 \hyper@anchorstart{\@currentHref}\hyper@anchorend
12751 }%
12752 #3%
12753 }%
12754 }%
12755 \expandafter\x\LT@start\@nil
12756 }{}

```

70 File imspdoc-xetex-bidi.def

```

12757 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for ]
12758 \newenvironment{thebibliography}[1]{%
12759 \@bibtitlestyle
12760 \normalfont\bibliofont\labelsep .5em\relax
12761 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12762 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12763 \bidi@thebibliography@font@hook
12764 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12765 \leftmargin\labelwidth \advance\leftmargin\labelsep
12766 \usecounter{enumiv}}%
12767 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12768 \sfcode`\.=\@m
12769 }{%
12770 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12771 \endlist
12772 }
12773
12774 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12775 \columnseprule\z@ \columnsep 35p@
12776 \@indextitlestyle
12777 \thispagestyle{plain}%
12778 \let\item\@idxitem
12779 \parindent\z@ \parskip\z@\@plus.3p@\relax
12780 \if@RTL\raggedleft\else\raggedright\fi
12781 \hyphenpenalty\@M
12782 \footnotesize}
12783 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12784 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12785 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12786
12787 \def\right@footnoterule{%
12788 \kern-.4p@
12789 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }

```




```

12790 \kern11\p@\kern-\footnotesep}
12791 \def\left@footnoterule{\kern-.4\p@
12792 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12793 \def\@makefnmark{%
12794 \leavevmode
12795 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12796 }
12797
12798 \def\part{\@startsection{part}{0}%
12799 \z@\f\linespacing\@plus\linespacing}{.5\linespacing}%
12800 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12801 \def\@tocline#1#2#3#4#5#6#7{\relax
12802 \ifnum #1>\c@tocdepth % then omit
12803 \else
12804 \par \addpenalty\@secpenalty\addvspace{#2}%
12805 \begingroup \hyphenpenalty\@M
12806 \ifempty{#4}{%
12807 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12808 }{%
12809 \@tempdima#4\relax
12810 }%
12811 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4em
12812 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12813 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12814 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12815 \nobreak
12816 \endgroup
12817 \fi}
12818 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12819 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12820 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12821 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12822 \def\maketitle{\par
12823 \@topnum\z@ % this prevents figures from falling at the top of page 1
12824 \@setcopyright
12825 \thispagestyle{firstpage}% this sets first page specifications
12826 \uppercase\nonmath\shorttitle
12827 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12828 \else \andify\shortauthors
12829 \fi
12830 \@maketitle@hook
12831 \begingroup
12832 \@maketitle
12833 \toks@{\xp{\shortauthors}\@temptokena\@xp{\shorttitle}}%
12834 \toks4{\def\\{\ignorespaces}}% defend against questionable usage
12835 \edef\@tempa{%
12836 \@nx\markboth{\the\toks4
12837 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12838 \@tempa
12839 \endgroup

```



```

12840 \c@footnote\z@
12841 \@cleartopmattertags
12842 }

```

71 File leqno-xetex-bidi.def

```

12843 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX e
12844 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12845 \rlap{\hskip -\displaywidth
12846 \{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

```

72 File letter-xetex-bidi.def

```

12847 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12848 \renewcommand*\opening{[1]{\ifx\@empty\fromaddress
12849 \thispagestyle{firstpage}%
12850 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12851 \else % home address
12852 \thispagestyle{empty}%
12853 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12854 \fromaddress \*[2\parskip]%
12855 \@date \end{tabular}\par}%
12856 \fi
12857 \vspace{2\parskip}%
12858 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
12859 \vspace{2\parskip}%
12860 #1\par\nobreak}
12861 \renewcommand\left@footnoterule{%
12862 \kern-\p@
12863 \hrule \@width .4\columnwidth
12864 \kern .6\p@}
12865 \renewcommand\right@footnoterule{%
12866 \kern-\p@
12867 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12868 \kern .6\p@}

```

73 File lettrine-xetex-bidi.def

```

12869 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package 1
12870 \def\@lettrine[#1]#2#3{%
12871 \setcounter{L@lines}{\theDefaultLines}%
12872 \setcounter{L@depth}{\theDefaultDepth}%
12873 \renewcommand*\L@hang{\DefaultLhang}%
12874 \renewcommand*\L@oversize{\DefaultLoversize}%
12875 \renewcommand*\L@raise{\DefaultLraise}%
12876 \renewcommand*\L@ante{}%
12877 \setlength{\L@Findent}{\DefaultFindent}%
12878 \setlength{\L@Nindent}{\DefaultNindent}%
12879 \setlength{\L@slope}{\DefaultSlope}%
12880 \setlength{\L@novskip}{\DiscardVskip}%

```



```

12881 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12882 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12883 \if\DefaultOptionsFile\relax
12884 \else
12885 \begingroup
12886 \InputIfFileExists{\DefaultOptionsFile}%
12887 {}%
12888 {\PackageWarning{lettrine.sty}%
12889 {File \DefaultOptionsFile\space not found}%
12890 }%
12891 \def\color##1##{\l@color{##1}}%
12892 \let\l@color\@gobbletwo
12893 \def\textcolor##1##{\l@textcolor{##1}}%
12894 \def\l@textcolor##1##2##3{##3}%
12895 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12896 \gdef\l@L@Keys{}%
12897 \else
12898 \xdef\l@L@Keys{\csname l@#2-keys\endcsname}%
12899 \fi
12900 \endgroup
12901 \def\KV@prefix{KV@L@}%
12902 \let\@tempc\relax
12903 \expandafter\KV@do\l@L@Keys,\relax,
12904 \sbox{\L@lbox}{\LettrineFont #2}%
12905 \setlength{\LettrineWidth}{\wd\L@lbox}%
12906 \def\KV@prefix{KV@L@}%
12907 \let\@tempc\relax
12908 \expandafter\KV@do\l@L@Keys,\relax,
12909 \fi
12910 \setkeys{L}{#1}%
12911 \ifL@image
12912 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12913 \else
12914 \sbox{\L@lbox}{\LettrineFont #2}%
12915 \fi
12916 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12917 \@tempdima=\baselineskip
12918 \ifnum\theL@lines=1
12919 \setlength{\L@first}{\ht\L@lbox}%
12920 \addtolength{\L@first}{-\ht\L@tbox}%
12921 \setlength{\L@lraise}{\z@}%
12922 \else
12923 \setlength{\L@first}{-\theL@lines\@tempdima}%
12924 \addtolength{\L@first}{\@tempdima}%
12925 \sbox{\@tempboxa}{\LettrineTextFont x}%
12926 \addtolength{\L@first}{-\ht\@tempboxa}%
12927 \setlength{\L@lraise}{-\L@raise\L@first}%
12928 \addtolength{\L@first}{\L@lraise}%
12929 \addtolength{\L@first}{\ht\L@lbox}%
12930 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%

```



```

12931     \addtolength{\L@lraise}{\@tempdima}%
12932 \fi
12933 \par
12934 \ifdim\L@first>\L@novskip
12935   \ifL@grid
12936     \@tempdima=\baselineskip
12937     \@tempdimb=\@tempdima
12938     \advance\@tempdimb by \L@novskip
12939     \@tempcnta=1
12940     \loop\ifdim\L@first>\@tempdimb
12941       \advance\@tempcnta by 1
12942       \advance\L@first by -\@tempdima
12943     \repeat
12944     \vskip\@tempcnta\baselineskip
12945   \else
12946     \vskip\L@first
12947 \fi
12948 \fi
12949 \setlength{\L@Pindent}{\wd\L@lbox}%
12950 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12951 \settowidth{\L@first}{\L@ante}%
12952 \addtolength{\L@Pindent}{\L@first}%
12953 \addtolength{\L@Pindent}{\L@Findent}%
12954 \setlength{\L@first}{\linewidth}%
12955 \addtolength{\L@first}{-\L@Pindent}%
12956 \addtolength{\L@Nindent}{\L@Pindent}%
12957 \setlength{\L@next}{\linewidth}%
12958 \addtolength{\L@next}{-\L@Nindent}%
12959 \addtolength{\L@Pindent}{\rightmargin}%
12960 \addtolength{\L@Nindent}{\rightmargin}%
12961 \setlength{\LettrineWidth}{\wd\L@lbox}%
12962 \setlength{\LettrineHeight}{\ht\L@lbox}%
12963 \setlength{\LettrineDepth}{\dp\L@lbox}%
12964 \addtocounter{L@lines}{1}%
12965 \addtocounter{L@lines}{\the\c@L@depth}%
12966 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12967 \@tempcnta=\tw@
12968 \@whilenum \@tempcnta<\c@L@lines\do{%
12969   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \t
12970   \addtolength{\L@Nindent}{\L@slope}%
12971   \addtolength{\L@next}{-\L@slope}%
12972   \advance\@tempcnta\@ne}%
12973 \ifRTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \
12974 \noindent
12975 \parshape=\L@parshape\relax
12976 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12977   \hskip \the\L@Findent}}%
12978 \usebox{\L@tbox}%
12979 }

```



74 File lineno-xetex-bidi.def

```
12980 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for X]
12981 \bidi@patchcmd{\MakeLineNo}{%
12982   \hb@xt@\z@\makeLineNumber}%
12983 }{%
12984   \hboxL to \z@\makeLineNumber}%
12985 }{}{}
12986
12987 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
12988   \if@RTL
12989     \hb@xt@\linenumberwidth{\LineNumber\hss}%
12990   \else
12991     \LineNumber
12992   \fi
12993 }{}{}
12994
12995 \bidi@patchcmd{\makeLineNumberRight}{%
12996   \hb@xt@\linenumberwidth{\hss\LineNumber}%
12997 }{%
12998   \if@RTL
12999     \LineNumber
13000   \else
13001     \hb@xt@\linenumberwidth{\hss\LineNumber}%
13002   \fi
13003 }{}{}
13004
13005 \bidi@AfterPreamble{%
13006   \if@RTLmain
13007     \rightlinenumbers*
13008   \else
13009     \leftlinenumbers*
13010   \fi
13011   \@ifpackagewith{lineno}{left}{%
13012     \leftlinenumbers*
13013   }{}
13014   \@ifpackagewith{lineno}{right}{%
13015     \rightlinenumbers*
13016   }{}
13017 }
13018
```

75 File listings-xetex-bidi.def

```
13019 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package for X]
13020 \lst@Key{captiondirection}{textdirection}{%
13021   \lstKV@SwitchCases{#1}%
13022   {textdirection&\\%
13023     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
13024     LTR&\chardef\bidi@lst@caption@direction\@z}%

```



```

13025 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13026
13027 \lst@Key{captionscript}{textscript}{%
13028   \lstKV@SwitchCases{#1}%
13029   {textscript&\%
13030     latin&\chardef\bidilst@caption@script\@ne\%
13031     nonlatin&\chardef\bidilst@caption@script\z@%
13032 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13033
13034 \newcommand*{\bidilst@ensure@caption@direction}[2]{%
13035   \ifundefined{bidilst@caption@direction}{%
13036     \ifnum\bidilst@caption@direction=\z@%
13037       #1%
13038     \else%
13039       \ifnum\bidilst@caption@direction=\@ne%
13040         #2%
13041       \fi%
13042     \fi%
13043 }}
13044
13045 \newcommand*{\bidilst@ensure@caption@script}[2]{%
13046   \ifundefined{bidilst@caption@script}{%
13047     \ifnum\bidilst@caption@script=\z@%
13048       #1%
13049     \else%
13050       \ifnum\bidilst@caption@script=\@ne%
13051         #2%
13052       \fi%
13053     \fi%
13054 }}
13055
13056 \long\def\@bidilst@makecaption#1#2{%
13057   \bidilst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13058   \vskip\abovecaptionskip
13059   \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13060   \sbox\@tempboxa{%
13061     \bidilst@ensure@caption@direction{\beginL}{\beginR}%
13062     #1: #2%
13063     \bidilst@ensure@caption@direction{\endL}{\endR}%
13064   }%
13065   \ifdim \wd\@tempboxa >\hsize
13066     #1: #2\par
13067   \else
13068     \global \@minipagefalse
13069     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13070   \fi
13071   \vskip\belowcaptionskip}%
13072 \def\lst@makecaption{\@bidilst@makecaption}
13073 \def\lst@maketitle{\@bidilst@makecaption\lst@title@dropdelim}
13074 \bidilst@AtEndPreamble{%

```



```

13075 \bidi@patchcmd{\lst@MakeCaption}{%
13076     \ifx #1t%
13077         \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
13078             \expandafter\refstepcounter
13079         \fi \lstlisting}%
13080 }{%
13081     \ifx #1t%
13082         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13083         \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
13084             \expandafter\refstepcounter
13085         \fi \lstlisting}%
13086         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13087 }{}{}%
13088 \bidi@patchcmd{\lst@MakeCaption}{%
13089     \addcontentsline{lol}{\lstlisting}%
13090     {\protect\numberline{\thelstlisting}\lst@caption}%
13091 }{%
13092 \begingroup%
13093     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13094     \addcontentsline{lol}{\lstlisting}%
13095     {\protect\numberline{\thelstlisting}\lst@caption}%
13096 \endgroup%
13097 }{}{}%
13098 }
13099 \ifpackageloaded{caption}{%
13100     \AtBeginCaption{%
13101         \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13102         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13103     }
13104     \let\bidi@lst@makecaption\caption@makecaption%
13105     \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
13106     \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}%
13107 }{%
13108 \AtBeginDocument{%
13109     \ifundefined{captionlabelfalse}{}{%
13110         \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\@empty}}%
13111     \ifundefined{caption@startrue}{}{%
13112         \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}}%
13113 }%
13114 }
13115 \AtBeginDocument{
13116     \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
13117     \lst@ifnumberbychapter
13118         \gdef\thelstlisting%
13119             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13120     \else
13121         \gdef\thelstlisting{\@arabic\c@lstlisting}
13122     \fi}

```



76 File loadingorder-xetex-bidi.def

```
13123 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13124 \bidi@isloaded{amsmath}
13125 \bidi@isloaded{amstext}
13126 \bidi@isloaded{amsthm}
13127 \bidi@isloaded{animate}
13128 \bidi@isloaded{breqn}
13129 \bidi@isloaded{cals}
13130 \bidi@isloaded{caption}
13131 \bidi@isloaded{crop}
13132 \bidi@isloaded{cuted}
13133 \bidi@isloaded{cutwin}
13134 \bidi@isloaded{color}
13135 \bidi@isloaded{dblfnote}
13136 \bidi@isloaded{diagbox}
13137 \bidi@isloaded{xcolor}
13138 \bidi@isloaded{colortbl}
13139 \bidi@isloaded{float}
13140 \bidi@isloaded{floatrow}
13141 \bidi@isloaded{flowfram}
13142 \bidi@isloaded{framed}
13143 \bidi@isloaded{ftnright}
13144 \bidi@isloaded{xltextra}
13145 \bidi@isloaded{xunicode}
13146 \bidi@isloaded{wrapfig}
13147 \bidi@isloaded{graphicx}
13148 \bidi@isloaded{geometry}
13149 \bidi@isloaded{hvfloat}
13150 \bidi@isloaded{mdframed}
13151 \bidi@isloaded{midfloat}
13152 \bidi@isloaded{ntheorem}
13153 \bidi@isloaded{ntheorem-hyper}
13154 \bidi@isloaded{hyperref}
13155 \bidi@isloaded{fancybox}
13156 \bidi@isloaded{fancyhdr}
13157 \bidi@isloaded{fix2col}
13158 \bidi@isloaded{draftwatermark}
13159 \bidi@isloaded{empheq}
13160 \bidi@isloaded{overpic}
13161 \bidi@isloaded{pdfpages}
13162 \bidi@isloaded{listings}
13163 \bidi@isloaded{lettrine}
13164 \bidi@isloaded{lineno}
13165 \bidi@isloaded{media9}
13166 \bidi@isloaded{pstricks}
13167 \bidi@isloaded{pgf}
13168 \bidi@isloaded{picinpar}
13169 \bidi@isloaded{quotchap}
13170 \bidi@isloaded{tikz}
```




```

13171 \bidi@isloaded{titlesec}
13172 \bidi@isloaded{titletoc}
13173 \bidi@isloaded{array}
13174 \bidi@isloaded{soul}
13175 \bidi@isloaded{stabular}
13176 \bidi@isloaded{subfig}
13177 \bidi@isloaded{subfigure}
13178 \bidi@isloaded{supertabular}
13179 \bidi@isloaded{xtab}
13180 \bidi@isloaded{longtable}
13181 \bidi@isloaded{arydshln}
13182 \bidi@isloaded{multicol}
13183 \bidi@isloaded{multienum}
13184 \bidi@isloaded{minitoc}
13185 \bidi@isloaded{natbib}
13186 \bidi@isloaded{newfloat}
13187 \bidi@isloaded{ragged2e}
13188 \bidi@isloaded{rotating}
13189 \bidi@isloaded{tbls}
13190 \bidi@isloaded{tabulary}
13191 \bidi@isloaded{tocbasic}
13192 \bidi@isloaded{tocstyle}
13193 \bidi@isloaded{tocbibind}
13194 \bidi@isloaded{fontspec}
13195 \bidi@isloaded{arabxetex}
13196 \bidi@isloaded{polyglossia}
13197 \bidi@isloaded{fancyvrb}
13198 \AtBeginDocument{
13199   \if@bidi@amsmathloaded@ \else
13200     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13201   \fi%
13202   \if@bidi@amstextloaded@ \else
13203     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13204   \fi%
13205   \if@bidi@amsthmloaded@ \else
13206     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
13207   \fi%
13208   \if@bidi@animateloaded@ \else
13209     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]
13210   \fi%
13211   \if@bidi@breqnloaded@ \else
13212     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package}{}]
13213   \fi%
13214   \if@bidi@calsloaded@ \else
13215     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package}{}]
13216   \fi%
13217   \if@bidi@captionloaded@ \else
13218     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package}{}]
13219   \fi%
13220   \if@bidi@croploaded@ \else

```



```

13221 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
13222 \fi%
13223 \if@bidi@colorloaded@else
13224 \@ifpackageloaded{hyperref}{-}{%
13225 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package
13226 \fi%
13227 \if@bidi@cutwinloaded@else
13228 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package
13229 \fi%
13230 \if@bidi@cutedloaded@else
13231 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package
13232 \fi%
13233 \if@bidi@dblfnoteloaded@else
13234 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi packa
13235 \fi%
13236 \if@bidi@diagboxloaded@else
13237 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi packa
13238 \fi%
13239 \if@bidi@xcolorloaded@else
13240 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package
13241 \fi%
13242 \if@bidi@colortblloaded@else
13243 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi packa
13244 \fi%
13245 \if@bidi@floatloaded@else
13246 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package
13247 \fi%
13248 \if@bidi@floatrowloaded@else
13249 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi packa
13250 \fi%
13251 \if@bidi@flowframloaded@else
13252 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi packa
13253 \fi%
13254 \if@bidi@framedloaded@else
13255 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package
13256 \fi%
13257 \if@bidi@ftnrightloaded@else
13258 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13259 \fi%
13260 \if@bidi@xltxttraloaded@else
13261 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltextra after bidi packa
13262 \fi%
13263 \if@bidi@xunicodeloaded@else
13264 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13265 \fi%
13266 \if@bidi@wrapfigloaded@else
13267 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packa
13268 \fi%
13269 \if@bidi@graphicxloaded@else
13270 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa

```



```

13271 \fi%
13272 \if@bidi@geometryloaded@else
13273 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13274 \fi%
13275 \if@bidi@hvffloatloaded@else
13276 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvffloat after bidi packa
13277 \fi%
13278 \if@bidi@mdframedloaded@else
13279 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13280 \fi%
13281 \if@bidi@midfloatloaded@else
13282 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13283 \fi%
13284 \if@bidi@nttheoremloaded@else
13285 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package nttheorem after bidi packa
13286 \fi%
13287 \if@bidi@hyperrefloaded@else
13288 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13289 \fi%
13290 \if@bidi@fancyboxloaded@else
13291 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13292 \fi%
13293 \if@bidi@fancyhdrloaded@else
13294 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13295 \fi%
13296 \if@bidi@draftwatermarkloaded@else
13297 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid
13298 \fi%
13299 \if@bidi@empheqloaded@else
13300 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13301 \fi%
13302 \if@bidi@overpicloaded@else
13303 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packa
13304 \fi%
13305 \if@bidi@pdfpagesloaded@else
13306 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13307 \fi%
13308 \if@bidi@lettrineloaded@else
13309 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13310 \fi%
13311 \if@bidi@linenoloaded@else
13312 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package
13313 \fi%
13314 \if@bidi@listingsloaded@else
13315 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13316 \fi%
13317 \csname if@bidi@media9loaded@endcsname@else
13318 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package
13319 \fi%
13320 \if@bidi@pstricksloaded@else

```



```

13321 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13322 \fi%
13323 \if@bidi@pgfloaded@else
13324 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13325 \fi%
13326 \if@bidi@picinparloaded@else
13327 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13328 \fi%
13329 \if@bidi@quotchaploaded@else
13330 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13331 \fi%
13332 \if@bidi@tikzloaded@else
13333 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13334 \fi%
13335 \if@bidi@titlesecloaded@else
13336 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13337 \fi%
13338 \if@bidi@titletocloaded@else
13339 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13340 \fi%
13341 \if@bidi@arrayloaded@else
13342 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package.
13343 \fi%
13344 \if@bidi@stabularloaded@else
13345 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa
13346 \fi%
13347 \if@bidi@soulloaded@else
13348 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13349 \fi%
13350 \if@bidi@subfigloaded@else
13351 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package.
13352 \fi%
13353 \if@bidi@subfigureloaded@else
13354 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13355 \fi%
13356 \if@bidi@supertabularloaded@else
13357 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13358 \fi%
13359 \if@bidi@xtabloaded@else
13360 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13361 \fi%
13362 \if@bidi@longtableloaded@else
13363 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13364 \fi%
13365 \if@bidi@arydshlnloaded@else
13366 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13367 \fi%
13368 \if@bidi@multicolloaded@else
13369 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13370 \fi%

```



```

13371 \if@bidi@multienumloaded@else
13372 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi packa
13373 \fi%
13374 \if@bidi@minitocloaded@else
13375 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13376 \fi%
13377 \if@bidi@natbibloaded@else
13378 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
13379 \fi%
13380 \if@bidi@newfloatloaded@else
13381 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13382 \fi%
13383 \csname if@bidi@ragged2loaded@endcsname\else
13384 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13385 \fi%
13386 \if@bidi@rotatingloaded@else
13387 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13388 \fi%
13389 \if@bidi@tblsloaded@else
13390 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
13391 \fi%
13392 \if@bidi@tabularyloaded@else
13393 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13394 \fi%
13395 \if@bidi@tocbasicloaded@else
13396 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13397 \fi%
13398 \if@bidi@tocstyleloaded@else
13399 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13400 \fi%
13401 \if@bidi@tocbibindloaded@else
13402 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi packa
13403 \fi%
13404 \if@bidi@fontspecloaded@else
13405 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13406 \fi%
13407 \if@bidi@arabxetexloaded@else
13408 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi packa
13409 \fi%
13410 \if@bidi@polyglossialloaded@else
13411 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi pa
13412 \fi%
13413 \if@bidi@fancyvrbloaded@else
13414 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13415 \fi%
13416 }

```

77 File longtable-xetex-bidi.def

```

13417 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package

```



```

13418 \def\LT@array[#1]#2{%
13419   \refstepcounter{table}\stepcounter{LT@tables}%
13420   \if l#1%
13421     \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
13422   \else\if r#1%
13423     \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13424   \else\if c#1%
13425     \LTleft\fill \LTright\fill
13426   \fi\fi\fi
13427   \let\LT@mc\multicolumn
13428   \let\LT@@@tabarray\@tabarray
13429   \let\LT@@hl\hline
13430   \def\@tabarray{%
13431     \let\hline\LT@@hl
13432     \LT@@@tabarray}%
13433   \let\\LT@tabularcr\let\tabularnewline\\%
13434   \def\newpage{\noalign{\break}}%
13435   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13436   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
13437   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13438   \@tempdima\ht\strutbox
13439   \let\@endpbox\LT@endpbox
13440   \ifx\extrarowheight\@undefined
13441     \let\@acol\@tabacol
13442     \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13443     \def\@startpbox{\vtop\LT@startpbox}%
13444     \let\@@startpbox\@startpbox
13445     \let\@@endpbox\@endpbox
13446     \let\LT@LL@FM@cr\@tabularcr
13447   \else
13448     \advance\@tempdima\extrarowheight
13449     \col@sep\tabcolsep
13450     \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13451   \fi
13452   \setbox\@arstrutbox\hbox{\vrule
13453     \@height \arraystretch \@tempdima
13454     \@depth \arraystretch \dp \strutbox
13455     \@width \z@}%
13456   \let\@sharp##\let\protect\relax
13457   \begingroup
13458     \mkpream{#2}%
13459     \xdef\LT@bchunk{%
13460       \global\advance\c@LT@chunks\@ne
13461       \global\LT@rows\z@\setbox\z@\vbox\bgroup
13462       \LT@setprevdepth
13463       \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13464       \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13465   \endgroup
13466   \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13467   \LT@make@row

```



```

13468 \m@th\let\par\@empty
13469 \everycr{}\lineskip\z@\baselineskip\z@
13470 \LT@bchunk}
13471 \def\LT@makecaption#1#2#3{%
13472 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13473 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13474 \ifdim\wd\@tempboxa>\hsize
13475 #1{#2: }#3%
13476 \else
13477 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13478 \fi
13479 \endgraf\vskip\baselineskip}%
13480 \hss}}
13481 \@ifpackageloaded{caption}{%
13482 \renewcommand\LT@makecaption[3]{%
13483 \caption@LT@make{%
13484 \caption@settype*\LTcaptype
13485 \ifdim\LTcapwidth=4in \else
13486 \setcaptionwidth\LTcapwidth
13487 \fi
13488 \caption@setoptions{longtable}%
13489 \caption@setoptions{@longtable}%
13490 \caption@LT@setup
13491 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13492 \caption@startrue#1\caption@starfalse
13493 \caption@prepare@stepcounter\LTcaptype{LT}%
13494 \caption@begin\LTcaptype
13495 \caption@normalsize
13496 \vskip-\ht\strutbox
13497 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13498 \caption@@make{#2}{#3}\endgraf
13499 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13500 \caption@end}}%
13501 }{}
13502 \def\LT@startpbox#1{%
13503 \bgroup
13504 \let\@footnotetext\LT@p@ftntext
13505 \let\@LTRfootnotetext\LT@p@LTRftntext
13506 \let\@RTLfootnotetext\LT@p@RTLftntext
13507 \setlength\hsize{#1}%
13508 \@arrayparboxrestore
13509 \vrule \@height \ht\@arstrutbox \@width \z@}
13510 \def\LT@p@LTRftntext#1{%
13511 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13512 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13513 \def\LT@p@RTLftntext#1{%
13514 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13515 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13516
13517

```



```

13518 \def\LT@output{%
13519   \ifnum\outputpenalty <-\@Mi
13520     \ifnum\outputpenalty > -\LT@end@pen
13521       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13522     \else
13523       \setbox\z@\vbox{\unvbox\@cclv}%
13524       \ifdim \ht\LT@lastfoot>\ht\LT@foot
13525         \dimen@ \pagegoal
13526         \advance\dimen@-\ht\LT@lastfoot
13527         \ifdim\dimen@<\ht\z@
13528           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13529           \@makecol
13530           \@outputpage
13531           \setbox\z@\vbox{\box\LT@head}%
13532         \fi
13533       \fi
13534       \global\@colroom\@colht
13535       \global\vsizel\@colht
13536       \vbox
13537         {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13538         \fi
13539       \else
13540         \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13541         \@makecol
13542         \@outputpage
13543         \global\vsizel\@colroom
13544         \copy\LT@head\nobreak
13545       \fi}

```

78 File mathtools-xetex-bidi.def

```

13546 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13547 \MHInternalSyntaxOn
13548 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13549   \@namedef{MT_tagform_#1:n}##1
13550   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i
13551 }
13552 \renewtagform{default}{\{()\}}
13553 \MHInternalSyntaxOff

```

79 File mdframed-xetex-bidi.def

```

13554 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13555 \newif\if@bidi@mdf@RTL
13556 \def\mdf@lrbox#1{%
13557   \mdf@patchamsthm\patch amsthm
13558   \if@RTL\@bidi@mdf@RTLtrue\fi%
13559   \@RTLfalse%
13560   \setbox#1\vbox\bgroup%
13561     \color@begingroup%

```




```

13562 \if@bidi@mdf@RTL\@RTLtrue\fi%
13563 \mdf@horizontalmargin@equation%
13564 \columnwidth=\hsize%
13565 \textwidth=\hsize%
13566 \let\if@nobreak\iffalse%
13567 \let\if@noskipsec\iffalse%
13568 \let\par\@par%
13569 \let\-\@dischyph%
13570 \let'\@acci\let'\@accii\let\=\@acciii%
13571 \parindent\z@ \parskip\z@skip%
13572 \linewidth\hsize%
13573 \@totalleftmargin\z@%
13574 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13575 \parfillskip\@flushglue \lineskip\normallineskip%
13576 \baselineskip\normalbaselineskip%
13577 %% \sloppy%
13578 \let\\\@normalcr%
13579 \mdf@par@local%New feature to restore parskip/parindent local in save box
13580 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13581 \@afterindentfalse%
13582 %\@afterheading%
13583 }
13584 \renewrobustcmd\mdfframedtitleenv[1]{%
13585 \mdf@lrbox{\mdf@frametitlebox}%
13586 \mdf@frametitlealignment%
13587 \leavevmode{\color{\mdf@frametitlefontcolor}%
13588 \normalfont\mdf@frametitlefont{#1}
13589 \ifbool{mdf@ignorelastdescenders}%
13590 {%
13591 \par\strut\par
13592 \unskip\unskip\setbox0=\lastbox
13593 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13594 }{}}%
13595 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13596 \endmdf@lrbox\relax%
13597 \mdf@ignorevbadness%
13598 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13599 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13600 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13601 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13602 \mdfframetitleboxtotalheight=\dimexpr
13603 \ht\mdf@frametitlebox
13604 +\dp\mdf@frametitlebox%
13605 +\mdf@frametitleaboveskip@length
13606 +\mdf@frametitlebelowskip@length
13607 \relax%
13608 }
13609
13610 \renewrobustcmd*\mdf@footnoteoutput{%
13611 \ifvoid\@mpfootins\else%

```



```

13612         \nobreak%
13613         \vskip\mdf@footnotedistance@length%
13614         \normalcolor%
13615         \bidi@mpfootnoterule%
13616         \unvbox\@mpfootins%
13617     \fi%
13618 }
13619
13620
13621 \renewrobustcmd*\mdf@footnoteinput{%
13622     \def\@mpfn{mpfootnote}%
13623     \def\thempfn{\thempfootnote}%
13624     \c@mpfootnote\z@%
13625     \let\@footnotetext\@mpfootnotetext%
13626     \let\@LTRfootnotetext\@mpLTRfootnotetext%
13627     \let\@RTLfootnotetext\@mpRTLfootnotetext%
13628 }

```

80 File bidi-media9.sty

```

13629 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13630 {bidi fixes for media9 package for the XeTeX engine}
13631
13632 \keys_define:nn{media9/mbtn}{
13633     draft .code:n = {},
13634     final .code:n = {},
13635
13636     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13637     tooltip .value_required:n = {true},
13638
13639     overface .code:n = {
13640         \sbox\l_mix_poster_box{
13641             \bool_if:NTF\g_pbs_kscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13642         \mix_pdfxform:n{\l_mix_poster_box}
13643         \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13644     },
13645     overface .value_required:n = {true},
13646
13647     downface .code:n = {
13648         \sbox\l_mix_poster_box{
13649             \bool_if:NTF\g_pbs_kscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13650         \mix_pdfxform:n{\l_mix_poster_box}
13651         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13652     },
13653     downface .value_required:n = {true},
13654
13655     3Dgotoview .code:n = {
13656         \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13657         \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl
13658         \tl_trim_spaces:N\l_tmpa_tl

```



```

13659 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13660   \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13661     \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13662     \regex_replace_once:nnN{[^\:]+\:?\}{}\l_tmpb_tl
13663     \tl_trim_spaces:N\l_tmpb_tl
13664     \tl_if_blank:VF\l_tmpb_tl{
13665       \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13666         \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
13667       }{
13668         \regex_match:nVTF{^~\d+}$}\l_tmpb_tl{
13669           \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13670       }{
13671         \regex_replace_once:nnN{^~(\s*)}\l_tmpb_tl
13672         \regex_replace_once:nnN{(\s*)$}\l_tmpb_tl
13673         \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13674       }
13675     }
13676   }
13677   \mix_pdfobj:nnn{}{dict}{
13678     /S/JavaScript/JS~(
13679       if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13680       if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13681         annotRM['\l_tmpa_tl']=
13682           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13683       }
13684       annotRM['\l_tmpa_tl'].activated=true;
13685     )
13686     \tl_if_blank:VF\l_tmpb_tl{
13687       /Next~<<
13688       /S/GoTo3DView
13689       /TA~\tl_use:c{ann@\l_tmpa_tl}
13690       /V\l_mix_vidx_tl
13691     }>>
13692   }
13693 }
13694 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13695 }
13696 }{
13697   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13698   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13699     \tl_new:N\g_mix_refundefwarned_tl
13700     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13701   }
13702 }
13703 },
13704 3Dgotoview .value_required:n = {true},
13705
13706 mediacommand .code:n = {
13707   \tl_set:Nx\l_tmpa_tl{#1}
13708   \regex_replace_once:nnN{([^\:]+\:)?\:.*}\l_tmpa_tl %extract ref

```



```

13709 \tl_trim_spaces:N\l_tmpa_tl
13710 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13711   \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13712     \tl_set:Nx\l_tmpb_tl{#1}
13713     \regex_replace_once:nnN{[\^:]+\.:?}{\l_tmpb_tl
13714     \tl_trim_spaces:N\l_tmpb_tl
13715     \regex_replace_all:nnN{^\\|\\$}{\l_tmpb_tl
13716     \tl_set:Nx\l_mix_cmd_tl{
13717       \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13718     \tl_trim_spaces:N\l_mix_cmd_tl
13719     \tl_set:Nx\l_mix_arg_tl{
13720       \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13721     \tl_trim_spaces:N\l_mix_arg_tl
13722     \mix_pdfobj:nnn{}{dict}{
13723       /S/JavaScript/JS~(
13724         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13725         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13726           annotRM['\l_tmpa_tl']=
13727             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13728         }
13729         annotRM['\l_tmpa_tl'].activated=true;
13730       )
13731     \tl_if_blank:VF\l_mix_cmd_tl{
13732       /Next~<<
13733       /S/RichMediaExecute
13734       /TA~\tl_use:c{ann@\l_tmpa_tl}
13735       /TI~\tl_use:c{main@\l_tmpa_tl}
13736       /CMD~<<
13737       /C~(\l_mix_cmd_tl)
13738       \tl_if_blank:VF\l_mix_arg_tl{
13739         /A~[\l_mix_arg_tl]
13740       }
13741       >>
13742     >>
13743   }
13744 }
13745 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13746 }
13747 }{
13748   \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
13749   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13750     \tl_new:N\g_mix_refundefwarned_tl
13751     \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13752   }
13753 }
13754 },
13755 mediacommand .value_required:n = {true},
13756
13757 jsaction .code:n = {
13758   \tl_set:Nx\l_tmpa_tl{#1}

```



```

13759 \regex_match:nVTF{^[^\{:\}+:\.*$}\l_tmpa_tl{
13760 \regex_replace_once:nnN{([^\{:\}+:\.]*?)\l_tmpa_tl %extract ref
13761 \tl_trim_spaces:N\l_tmpa_tl
13762 }{\tl_clear:N\l_tmpa_tl}
13763 \tl_set:Nx\l_tmpb_tl{#1}
13764 \tl_if_blank:VF\l_tmpa_tl{
13765 \tl_if_exist:cF{ann@\l_tmpa_tl}{
13766 \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13767 \cs_if_exist:NF\g_mix_refundefwarned_tl{
13768 \tl_new:N\g_mix_refundefwarned_tl
13769 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13770 }
13771 }
13772 \regex_replace_once:nnN{[^\{:\}+:\.]*}\l_tmpb_tl
13773 }
13774 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13775 \tl_trim_spaces:N\l_tmpb_tl
13776 \tl_if_blank:VF\l_tmpb_tl{
13777 \mix_pdfobj:nnn{}{dict}{
13778 /S/JavaScript/JS~(
13779 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
13780 \bool_lazy_and:nnT{
13781 \tl_if_exist_p:c{ann@\l_tmpa_tl}
13782 }{
13783 !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13784 }{
13785 \mix_pdfobj:nnn{}{dict}{
13786 /S/JavaScript/JS~(
13787 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13788 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13789 annotRM['\l_tmpa_tl']=
13790 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13791 }
13792 annotRM['\l_tmpa_tl'].activated=true;
13793 )
13794 \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13795 }
13796 }
13797 \bool_if:nT{
13798 \bool_lazy_and_p:nn{
13799 \tl_if_exist_p:c{ann@\l_tmpa_tl}
13800 }{
13801 !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13802 }
13803 || !\tl_if_blank_p:V\l_tmpb_tl
13804 }{
13805 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13806 }
13807 },
13808 jsaction .value_required:n = {true},

```



```

13809
13810   unknown .code:n = {
13811     \msg_error:nx{media9}{unknown~option}{\l_keys_key_tl}
13812   }
13813 }
13814
13815 \RenewDocumentCommand\includemedia{0{mm}}{%#1 options, #2 text/image #3 media file
13816   \mix_uriend:
13817   \group_begin:
13818   \mix_beginLTR:
13819   \leavevmode
13820   %empty stream as appearance dummy
13821   \cs_if_exist:NF\g_mix_appearance_tl{
13822     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13823     \mix_pdfxform:n{\l_mix_poster_box}
13824     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13825   }
13826   \mix_reset:
13827   \mix_uribegin: %treat URI characters correctly
13828   \keys_set:nn{media9/user}{#1}
13829   \mix_uriend:
13830   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13831   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13832   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13833   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
13834   \tl_gtrim_spaces:N\g_mix_flashvars_tl
13835
13836   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13837
13838   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13839   %\hbox_set:Nn\l_mix_poster_box{#2}
13840   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13841   \mix_scale:n{\l_mix_poster_box}
13842   \bool_if:nT{
13843     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13844     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13845   }{
13846     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13847   }
13848   \bool_if:NTF\g_mix_usrdraft_bool{
13849     \tl_if_empty:NF\g_mix_usrlabel_tl{
13850       \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13851     }
13852     \tl_if_blank:oTF{#2}{
13853       \mix_uribegin: %treat URI characters correctly
13854       \mix_draftbox:n{\tl_to_str:n{#3}}
13855       \mix_uriend:
13856     }{
13857       \hbox_to_wd:nn{\g_mix_wd_tl}{
13858         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl

```



```

13859     \box_use:N\l_mix_poster_box\hss
13860   }
13861 }
13862 }{
13863   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13864     %attach script that switches off play button overlay upon activation
13865     \mix_pdfobj:nnn{}{stream}{
13866       {}{
13867         var~ocgs=host.getOCGs(host.pageNum);
13868         for(var~i=0;i<ocgs.length;i++){
13869           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13870             ocgs[i].state=false;
13871           }
13872         }
13873       }
13874     }
13875     \mix_pdfobj:nnn{}{dict}{
13876       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13877     }
13878     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13879     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13880     %enforce plain playbutton overlay for XeTeX
13881     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13882   }
13883   %embed main asset
13884   \mix_uribegin:
13885   \mix_embedasset:n{#3}
13886   \bool_if:nTF{
13887     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13888   }{
13889     \bool_gset_true:N\g_mix_iiid_bool
13890     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13891   }{
13892     \str_case_x:nnF{\l_mix_base_tl}{
13893       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13894       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13895       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13896       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13897       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13898     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
13899   }
13900   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13901   \mix_uriend:
13902   %secondary assets (added by addresource)
13903   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13904   \seq_map_inline:Nn\g_mix_script_seq{
13905     \mix_embedasset:n{##1}
13906     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13907   }
13908   %attach 3D calculation script

```



```

13909 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13910 \mix_embedasset:n{3Dmenu.js}
13911 \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13912 }
13913 %create 3D views from file (option 3Dviews)
13914 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13915 \tl_set:Nn\l_mix_level_tl{\c_minus_one}
13916 \int_zero:N\l_mix_viewcnt_int
13917 \int_zero:N\l_mix_lineno_int
13918
13919 \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13920 \ior_map_inline:Nn\l_mix_vfile_stream{
13921 \int_incr:N\l_mix_lineno_int
13922 \keys_set:nn{media9/views}{##1} %process input line
13923 }
13924 \ior_close:N\l_mix_vfile_stream
13925 }
13926 \bool_if:nT{ %create default 3D view if required
13927 \g_mix_iiid_bool &&
13928 (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13929 }{
13930 \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13931 \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13932 \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13933 \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13934 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13935 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13936 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13937
13938 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13939 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13940 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13941 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13942
13943 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13944 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13945 \tl_clear:N\l_mix_naarray_tl
13946
13947 \bool_if:NF\l_mix_ciiw_bool{
13948 \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13949 \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13950 }
13951
13952 \tl_clear:N\l_mix_naarray_tl
13953 \tl_clear:N\l_mix_saarray_tl
13954 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13955
13956 \mix_view:n{Default}
13957 \tl_set:Nx\l_mix_dfltvview_tl{\mix_pdflastobj:}
13958

```




```

13959 }
13960 \mix_pdfobj:nnn(){dict}{
13961   /Type/RichMediaInstance
13962   /Subtype/\g_mix_mainassetsub_tl
13963   /Asset~\g_mix_mainasset_tl
13964   \bool_if:NF\g_mix_iiid_bool{
13965     /Params~<<
13966     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13967       /Foreground
13968     }{
13969       /Background
13970     }
13971     \tl_if_blank:VF\g_mix_flashvars_tl{
13972       /FlashVars~(\g_mix_flashvars_tl)
13973     }
13974     >>
13975   }
13976 }
13977 \tl_if_empty:NF\g_mix_usrlabel_tl{
13978   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13979 }
13980 \mix_pdfobj:nnn(){dict}{
13981   /Type/RichMediaConfiguration
13982   /Subtype/\g_mix_mainassetsub_tl
13983   /Instances~[\mix_pdflastobj:]
13984 }
13985 \mix_pdfobj:nnn(){dict}{
13986   /Type/RichMediaContent
13987   /Assets~<</Names~[\g_mix_assets_tl]>>
13988   /Configurations~[\mix_pdflastobj:]
13989   \bool_if:nT{
13990     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13991   }{
13992     /Views~[\l_mix_iiidviewarray_tl]
13993   }
13994 }
13995 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13996 \bool_if:nT{
13997   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13998 }{
13999   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14000 }
14001 %determine floating window size
14002 \bool_if:NT\g_mix_opt_windowed_bool{
14003   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14004 }
14005 \mix_pdfobj:nnn(){dict}{
14006   /Activation~<<
14007   /Condition\g_mix_act_tl
14008   \bool_if:nT{

```



```

14009         \g_mix_iiid_bool &&
14010         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14011     }{%seems to work only with 3D content
14012         /Animation~<<
14013             /Subtype/\g_mix_playtpe_tl
14014             /PlayCount~\g_mix_playcnt_tl
14015             /Speed~\g_mix_playspd_tl
14016         >>
14017     }
14018     \bool_if:nT{
14019         \g_mix_iiid_bool && (
14020             \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14021         )
14022     }{/View~\l_mix_dfltview_tl}
14023     /Presentation~<<
14024         /Transparent~\g_mix_transp_tl
14025         \bool_if:NTF\g_mix_opt_windowed_bool{
14026             /Style/Windowed
14027             /Window~<<
14028                 /Width~<</Default~\tl_mix_fltd>>
14029                 /Height~<</Default~\tl_mix_flht>>
14030                 /Position~<<
14031                     /HOffset~0/VOffset~0
14032                     \str_case:x:nnF{\g_mix_winpos_tl}{
14033                         {tl}{/VAlign/Near/HAlign/Near}
14034                         {cl}{/VAlign/Center/HAlign/Near}
14035                         {bl}{/VAlign/Far/HAlign/Near}
14036                         {bc}{/VAlign/Far/HAlign/Center}
14037                         {br}{/VAlign/Far/HAlign/Far}
14038                         {cr}{/VAlign/Center/HAlign/Far}
14039                         {tr}{/VAlign/Near/HAlign/Far}
14040                         {tc}{/VAlign/Near/HAlign/Center}
14041                     }{/HAlign/Center/VAlign/Center}
14042                 >>
14043             >>
14044         }{
14045             /Style/Embedded
14046         }
14047         \bool_if:NTF\g_mix_iiid_bool{
14048             /Toolbar~\g_mix_tools_tl
14049             /NavigationPane~\g_mix_nav_tl
14050         }{
14051             /PassContextClick~\g_mix_contextclick_tl
14052         }
14053     >>
14054     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14055 >>
14056     /Deactivation~<</Condition\g_mix_deact_tl>>
14057 }
14058 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}

```



```

14059 \tl_if_empty:NF\g_mix_usrlabel_tl{
14060   \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14061 }
14062 % #1:width, #2:height, #3:depth, #4:content (key-value)
14063 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14064   /Subtype/RichMedia
14065   /F~4
14066   /BS~<</W~0/S/S>>
14067   /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14068   /NM~(\g_mix_label_tl)
14069   /AP~<</N~\g_mix_appearance_tl>>
14070   /RichMediaSettings~\l_mix_settings_tl
14071   /RichMediaContent~\l_mix_content_tl
14072 }
14073 \tl_if_empty:NF\g_mix_usrlabel_tl{
14074   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14075   \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14076     \noexpand\the\g@mix@page@int}
14077 }
14078 \mix_pdfobj:nnn{}{dict}{
14079   /S/JavaScript/JS~(
14080     try{
14081       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14082       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14083         annotRM['\g_mix_label_tl']=
14084           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14085       }
14086       \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14087         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14088           var~ocgs=this.getOCGs(this.pageNum);
14089           for(var~i=0;i<ocgs.length;i++){
14090             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14091               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14092             }
14093           }
14094         }
14095         if(
14096           !annotRM['\g_mix_label_tl'].activated&&(
14097             app.viewerType=='Reader' ||
14098             app.viewerType=='Exchange' ||
14099             app.viewerType=='Exchange-Pro'
14100           )&&app.viewerVersion>=9
14101         ){
14102           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14103         }
14104       }
14105     }catch(e){}
14106     this.dirty=false;
14107   )
14108 }

```



```

14109 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14110 /Subtype/Widget
14111 /FT/Btn/Ff~65537/F~2
14112 /BS~<</W~0>>
14113 /T~(fd@~\g_mix_label_tl)
14114 /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14115 }
14116 \mix_appendtofields:n{\mix_pdflastann:}
14117 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14118 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14119 \hbox_to_wd:nn{\g_mix_wd_tl}{
14120 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14121 }
14122 }{%insert play button overlay
14123 \mix_insert_btnocg: %create OCG
14124 \cs_gset_eq:Nc~\mix_pbtn:NN{g~\mix_usrpbtn_tl @tl}
14125 \group_begin:
14126 \cs_if_exist:NT~\textdir{\textdir TLT}
14127 \sbox~\l_mix_pbtn_box{\mix_pbtn:NN~\g_mix_wd_tl~\g_mix_tt_tl}
14128 \box_move_down:nn{\g_mix_dp_tl}{
14129 \hbox_to_wd:nn{\g_mix_wd_tl}{
14130 \vbox_to_ht:nn{\g_mix_tt_tl}{
14131 \vss
14132 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14133 \box_use:N~\l_mix_pbtn_box
14134 \ocgbase_oc_emc:
14135 }
14136 }
14137 }
14138 \group_end:
14139 }
14140 \int_gincr:N~\g_mix_rmcnt_int
14141 }
14142 \mix_endLTR:
14143 \group_end:
14144 }
14145 \tl_set_eq:NN~\l_mix_includemedia_tl~\includemedia
14146 \tl_set:Nn~\includemedia{\mix_uribegin:~\l_mix_includemedia_tl}
14147
14148 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
14149 \mix_uribegin:
14150 \group_begin:
14151 \mix_beginLTR:
14152 \leavevmode
14153 %reset various variables
14154 \tl_gclear:N~\g_mix_overbtn_tl
14155 \tl_gclear:N~\g_mix_downbtn_tl
14156 \tl_gclear:N~\g_mix_btnactions_tl
14157 \tl_gclear:N~\g_mix_tooltip_tl
14158 %process options

```



```

14159 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14160 \mix_uribegin: %treat URI characters correctly
14161 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14162 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14163 \mix_uriend:
14164 %normal button appearance
14165 %\hbox_set:Nn\l_mix_poster_box{#2}
14166 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14167 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14168 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14169 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14170 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14171 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_1scape_bool{\rotatebox{90}{
14172 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14173 \mix_pdfxform:n{\l_mix_poster_box}
14174 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14175 %insert widget annotation
14176 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14177 /Subtype/Widget
14178 /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
14179 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14180 /FT/Btn/Ff~65536
14181 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14182 /AP~<<
14183 /N~\g_mix_normalbtn_tl
14184 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14185 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14186 >>
14187 /MK~<<
14188 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14189 /I~\g_mix_normalbtn_tl
14190 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14191 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14192 >>
14193 /A~<<
14194 /S/JavaScript/JS~(app.focusRect=false;)
14195 %sequence of actions to perform
14196 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14197 >>
14198 }
14199 \mix_appendtofields:n{\mix_pdflastann:}
14200 \hbox_to_wd:nn{\width}{
14201 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14202 }
14203 \int_gincr:N\g_mix_mbtncnt_int
14204 }
14205 \mix_endLTR:
14206 \group_end:
14207 }
14208

```



```

14209 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14210 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14211
14212

```

81 File memoir-xetex-bidi.def

```

14213 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for XeLaTeX]
14214 \renewcommand{\keepthetitle}{%
14215   \@bsmtitleempty
14216   \global\let\thanks\relax
14217   \global\let\LTRthanks\relax
14218   \global\let\RTLthanks\relax
14219   \global\let\and\relax
14220   \global\let\andnext\relax
14221   \global\let\@thanks\@empty
14222   \global\let\@title\@empty
14223   \global\let\@author\@empty
14224   \global\let\@date\@empty}
14225 \renewcommand{\maketitle}{\par
14226   \begingroup
14227     \@bsmarkseries
14228     \def\@makefnmark{\@textsuperscript{%
14229       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
14230     \long\def\@makefntext##1{\makethanksmark ##1}
14231     \if@twocolumn
14232       \ifnum \col@number=\@ne
14233         \@maketitle
14234       \else
14235         \twocolumn[\@maketitle]%
14236       \fi
14237     \else
14238       \ifdim\pagetotal>\z@
14239         \newpage
14240       \fi
14241       \global\@topnum\z@
14242       \@maketitle
14243     \fi
14244     \thispagestyle{title}\@thanks
14245   \endgroup
14246   \@bscontmark % \setcounter{footnote}{0}%
14247 }
14248 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14249 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14250 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14251 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14252 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14253 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14254 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14255 \renewcommand*{\thesubsection}{%

```



```

14256 \thesection\@SepMark\@arabic\c@subsection}
14257 \renewcommand*{\thesubsubsection}{%
14258 \thesubsection\@SepMark\@arabic\c@subsubsection}
14259 \renewcommand*{\theparagraph}{%
14260 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14261 \renewcommand*{\thesubparagraph}{%
14262 \theparagraph\@SepMark\@arabic\c@subparagraph}
14263 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14264 \renewcommand{\theequation}{%
14265 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14266 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14267 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14268 \ifartopt
14269 \chapterstyle{article}
14270 \counterwithout{figure}{chapter}
14271 \counterwithout{table}{chapter}
14272 \counterwithout{footnote}{chapter}
14273 \counterwithout{equation}{chapter}
14274 \renewcommand{\chaptername}{%
14275 \renewcommand{\maketitlehookb}{%
14276 \vskip -1.5\topsep\vskip -1.5\partopsep}
14277 \renewcommand{\maketitlehookc}{%
14278 \vskip -1.5\topsep\vskip -1.5\partopsep}
14279 \fi
14280 \long\def\@makecaption#1#2{\let\@memtempa\relax
14281 \ifdim\prevdepth>-99\p@ \vskip\abovcaptionskip
14282 \else \def\@memtempa{\vbox to\topskip{}}\fi
14283 \let\@contfnote\footnote \renewcommand{\footnote}[2][{}]{
14284 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][{}]{
14285 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14286 \let\footnote\@contfnote
14287 \let\footnotemark\@contfmark
14288 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14289 \if@contcw
14290 \centering
14291 \parbox{\@contcwidth}{%
14292 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14293 \fi
14294 \ifdim\wd\@tempboxa<\linewidth
14295 \@contpre
14296 {\@contnfont #1\@contdelim}\@memtempa
14297 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14298 \else
14299 \if@conthang
14300 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14301 \@contpre%
14302 {\@contcstyle\hangindent=\wd\@tempboxa
14303 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14304 \else
14305 \if@contindent

```



```

14306      \@contpre%
14307      {\@contnfont #1\@contdelim}\@memtempa
14308      {\@contcstyle\hangindent=\@contindw
14309      \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14310    \else
14311      \@contpre%
14312      {\@contnfont #1\@contdelim}\@memtempa
14313      {\@contcstyle \@conttfont #2\@contfinal\par}
14314    \fi
14315  \fi
14316 \fi
14317 \@contpost
14318 \if@contcw
14319   \par
14320 } % end of the \parbox
14321 \fi
14322 \vskip\belowcaptionskip}
14323 \@ifpackageloaded{caption}{%
14324 \AtBeginPackage{caption}{
14325 \ClassWarningNoLine{memoir}{%
14326 You are using the caption package with the memoir \MessageBreak
14327 class. This may cause unexpected or inconsistent \MessageBreak
14328 results if you use any of memoir's captioning facilities}
14329
14330 \long\def\@makecaption##1##2{%
14331   \vskip\abovecaptionskip
14332   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14333   \ifdim \wd\@tempboxa >\hsize
14334     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14335   \else
14336     \global \@minipagefalse
14337     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14338   \fi
14339   \vskip\belowcaptionskip}
14340
14341 \def\caption{%
14342   \ifx\@captive\@undefined
14343     \@latex@error{\noexpand\caption outside float}\@ehd
14344     \expandafter\@gobble
14345   \else
14346     \refstepcounter\@captive
14347     \expandafter\@firstofone
14348   \fi
14349   {\@dblarg{\@caption\@captive}}}%
14350 }
14351
14352 \long\def\@caption##1[##2]##3{%
14353   \par
14354   \addcontentsline{csname ext@##1\endcsname}{##1}%
14355   {\protect\numberline{csname the##1\endcsname}{\ignorespaces ##2}}%

```




```

14356 \begingroup
14357   \@parboxrestore
14358   \if@minipage
14359     \@setminipage
14360   \fi
14361   \normalsize
14362   \@makecaption{\csname fnum##1\endcsname}{\ignorespaces ##3}\par
14363 \endgroup}
14364 }}{}
14365 \renewenvironment{thebibliography}[1]{%
14366   \bibsection
14367   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
14368   \bidi@thebibliography@font@hook%
14369   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

82 File midfloat-xetex-bidi.def

```

14370 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14371 \def\RTL@outputdblcol{%
14372   \if@firstcolumn
14373     \global \@firstcolumnfalse
14374     \global\setbox\@leftcolumn\copy\@outputbox
14375     \splitmaxdepth\maxdimen
14376     \vbadness\maxdimen
14377     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14378     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14379     \toks@{\expandafter{\topmark}}%
14380     \xdef\@firstcoltopmark{\the\toks@}%
14381     \toks@{\expandafter{\splitfirstmark}}%
14382     \xdef\@firstcolfirstmark{\the\toks@}%
14383     \ifx\@firstcolfirstmark\@empty
14384       \global\let\@setmarks\relax
14385     \else
14386       \gdef\@setmarks{%
14387         \let\firstmark\@firstcolfirstmark
14388         \let\topmark\@firstcoltopmark}%
14389     \fi
14390     \global\c@colht\@colht\global\c@advvipersep\z@
14391     \ifnum\jua@sk>0
14392       \remove@strip\jua@sar
14393       \global\@colht\the\jua@pr
14394       \ifdim\right@cor>\z@
14395         \global\advance\@colht by\right@cor
14396       \fi
14397       \global\advance\@colht by\cor@height
14398       \global\cor@height=0pt
14399     \fi
14400     \global\setbox\@rightcolumn\vbox{}%
14401   \else
14402     \ifdim\c@colht>\@colht

```



```

14403      \@tempdima\@colht
14404      \ifdim\@colht>\z@
14405      \global\setbox\@rightcolumn \vbox{%
14406          \unvbox\@rightcolumn
14407          \vbox to\@tempdima{%
14408              \vskip\c@addvipersep\unvbox\@outputbox}%
14409          \vskip\stripsep
14410          \vrule height\the\jua@ht width Opt depth Opt
14411          \vskip\stripsep
14412      }%
14413      \global\c@addvipersep\m@addvipersep
14414      \else
14415      \global\setbox\@rightcolumn \vbox{%
14416          \unvbox\@rightcolumn
14417          \vrule height\the\jua@ht width Opt depth Opt
14418          \vskip\stripsep
14419      }%
14420      \fi
14421      \ifnum\jua@sk>0
14422          \remove@strip\jua@sar
14423          \global\@colht\the\jua@pr
14424          \global\advance\@colht by -\ht\@rightcolumn
14425          \global\advance\@colht by \cor@height
14426          \global\cor@height=0pt
14427      \else
14428          \global\advance\c@colht by-\ht\@rightcolumn
14429          \global\@colht\c@colht
14430      \fi
14431  \else
14432  \global\@firstcolumntrue
14433  \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14434      \unvbox\@rightcolumn
14435      \vskip\c@addvipersep
14436      \unvbox\@outputbox
14437  }%
14438  \setbox\@outputbox \vbox {%
14439      \hb@xt@\textwidth {%
14440          \hskip \columnwidth
14441          \hfil
14442          \vrule \@width\columnseprule
14443          \hfil
14444          \hb@xt@\columnwidth {%
14445              \bidi@firstcolumn@status@write%
14446              \box\@leftcolumn \hss}%
14447          \hskip-\textwidth
14448          \hb@xt@\columnwidth {%
14449              \bidi@lastcolumn@status@write%
14450              \box\@outputbox \hss}%
14451          \hskip\columnwidth
14452          \hskip\columnsep}%

```



```

14453 }%
14454 \@combinedblfloats
14455 \@setmarks
14456 \@outputpage
14457 \begingroup
14458   \@dblfloatplacement
14459   \@startdblcolumn
14460   \@whiles\if@fcolmade \fi
14461     {\@outputpage
14462       \@startdblcolumn}%
14463   \endgroup
14464   \global\jua@sk=0\global\jua@sar={}
14465   \global\cor@height\z@\global\c@addvipersep\z@
14466   \fi
14467 \fi
14468 }
14469
14470
14471 \def\LTR@outputdblcol{%
14472   \if@firstcolumn
14473     \global \@firstcolumnfalse
14474     \global\setbox\@leftcolumn\copy\@outputbox
14475     \splitmaxdepth\maxdimen
14476     \vbadness\maxdimen
14477     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14478     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14479     \toks@{\expandafter{\topmark}}%
14480     \xdef\@firstcoltopmark{\the\toks@}%
14481     \toks@{\expandafter{\splitfirstmark}}%
14482     \xdef\@firstcolfirstmark{\the\toks@}%
14483     \ifx\@firstcolfirstmark\@empty
14484       \global\let\@setmarks\relax
14485     \else
14486       \gdef\@setmarks{%
14487         \let\firstmark\@firstcolfirstmark
14488         \let\topmark\@firstcoltopmark}%
14489     \fi
14490     \global\c@colht\@colht\global\c@addvipersep\z@
14491     \ifnum\jua@sk>0
14492       \remove@strip\jua@sar
14493       \global\@colht\the\jua@pr
14494       \ifdim\right@cor>\z@
14495         \global\advance\@colht by\right@cor
14496       \fi
14497       \global\advance\@colht by\cor@height
14498       \global\cor@height=0pt
14499     \fi
14500     \global\setbox\@rightcolumn\vbox{}%
14501   \else
14502     \ifdim\c@colht>\@colht

```



```

14503      \@tempdima\@colht
14504      \ifdim\@colht>\z@
14505      \global\setbox\@rightcolumn \vbox{%
14506          \unvbox\@rightcolumn
14507          \vbox to\@tempdima{%
14508              \vskip\c@addvipersep\unvbox\@outputbox}%
14509          \vskip\stripsep
14510          \vrule height\the\jua@ht width Opt depth Opt
14511          \vskip\stripsep
14512      }%
14513      \global\c@addvipersep\m@addvipersep
14514      \else
14515      \global\setbox\@rightcolumn \vbox{%
14516          \unvbox\@rightcolumn
14517          \vrule height\the\jua@ht width Opt depth Opt
14518          \vskip\stripsep
14519      }%
14520      \fi
14521      \ifnum\jua@sk>0
14522          \remove@strip\jua@sar
14523          \global\@colht\the\jua@pr
14524          \global\advance\@colht by -\ht\@rightcolumn
14525          \global\advance\@colht by \cor@height
14526          \global\cor@height=Opt
14527      \else
14528          \global\advance\c@colht by-\ht\@rightcolumn
14529          \global\@colht\c@colht
14530      \fi
14531  \else
14532      \global\@firstcolumntrue
14533      \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14534          \unvbox\@rightcolumn
14535          \vskip\c@addvipersep
14536          \unvbox\@outputbox
14537      }%
14538      \setbox\@outputbox \vbox {%
14539          \hb@xt@\textwidth {%
14540              \hb@xt@\columnwidth {%
14541                  \bidi@firstcolumn@status@write%
14542                  \box\@leftcolumn \hss}%
14543              \hfil
14544              \vrule \@width\columnseprule
14545              \hfil
14546              \hb@xt@\columnwidth {%
14547                  \bidi@lastcolumn@status@write%
14548                  \box\@outputbox \hss}%
14549              }%
14550          }%
14551      \@combinedblfloats
14552      \@setmarks

```



```

14553 \@outputpage
14554 \beginingroup
14555   \@dblfloatplacement
14556   \@startdblcolumn
14557   \@whiles\if@fcolmade \fi
14558   {\@outputpage
14559     \@startdblcolumn}%
14560 \endgroup
14561 \global\jua@sk=0\global\jua@sar={}%
14562 \global\cor@height\z@\global\c@addvipersep\z@
14563 \fi
14564 \fi
14565 }
14566
14567
14568 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14569   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14570     \hsize\textwidth
14571     \@parboxrestore
14572     \col@number \@ne
14573     \vrule height\topskip width0pt depth0pt
14574 }
14575
14576 \def\endstrip{%
14577   \egroup\egroup
14578   \if@firstcolumn
14579     \ifdim\pagetotal>\z@
14580       \vskip\stripsep
14581       \global\ht@strip\pagegoal
14582       \global\advance\ht@strip by-\pagetotal
14583       \global\advance\ht@strip by-\stripsep
14584       \global\advance\ht@strip by-\ht\@viper
14585       \global\advance\ht@strip by-\stripsep
14586       \global\jua@ht=\ht\@viper
14587     \else
14588       \global\ht@strip\z@
14589     \fi
14590     \ifdim\ht@strip>\z@
14591       \unvbox\@viper
14592       \vskip\stripsep
14593       \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14594       \global\advance\jua@sk by1
14595     \else
14596       \@latex@error{Strip needs more place!}\@ehc
14597       \if@vihproof
14598         \framebox[\columnwidth]{??? Strip ???}%
14599       \fi
14600     \fi
14601   \else
14602     \@latex@error{Strip is used only on left column!}\@ehc

```



```

14603         \if@vihproof
14604         \framebox[\columnwidth]{??? Strip ???}%
14605         \fi
14606     \fi
14607 }

```

83 File minitoc-xetex-bidi.def

```

14608 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14609 \def\@undottedtocline#1#2#3#4#5{%
14610     \ifnum #1>\c@tocdepth\relax \else
14611     \vskip \z@ plus.2\p@
14612     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
14613     \parindent #2\relax\@afterindenttrue
14614     \interlinepenalty\@M
14615     \leavevmode
14616     \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
14617     \hskip -\if@RTL\righskip\else\leftskip\fi
14618     #4\nobreak\hfill \nobreak
14619     \null\par}%
14620 \fi}
14621 \def\@Undottedtocline#1#2#3#4#5{%
14622     \ifnum #1>\c@tocdepth\relax \else
14623     \vskip \z@ \@plus.2\p@
14624     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
14625     \parindent #2\relax\@afterindenttrue
14626     \interlinepenalty\@M
14627     \leavevmode
14628     \@tempdima #3\relax
14629     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righs
14630     {\coffefont #4}\nobreak \nobreak\null
14631     \par}%
14632 \fi}
14633 \def\@Undottedtoclinep#1#2#3#4#5{%
14634     \ifnum #1>\c@tocdepth\relax \else
14635     \vskip \z@ \@plus.2\p@
14636     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
14637     \parindent #2\relax\@afterindenttrue
14638     \interlinepenalty\@M
14639     \leavevmode
14640     \@tempdima #3\relax
14641     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righs
14642     {#4}\nobreak \hfill \nobreak\null
14643     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14644     \par}%
14645 \fi}

```

84 File multicol-xetex-bidi.def

```

14646 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package

```



```

14647 \def\page@sofar{%
14648   \process@cols\mult@rightbox
14649   {\ifvoid\count@
14650     \setbox\count@\hbox to\hsize{}}%
14651   \else
14652     \wd\count@\hsize
14653   \fi}%
14654 \count@\col@number \advance\count@\m@ne
14655 \mult@info\z@
14656 {Column spec: \the\full@width\space = indent
14657               + columns + sep =\MessageBreak
14658   \the\multicol@leftmargin\space
14659   + \the\col@number\space
14660   x \the\hsize\space
14661   + \the\count@\space
14662   x \the\columnsep
14663   }%
14664 \ifvmode\else\errmessage{Multicol Error}\fi
14665 \nointerlineskip
14666 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14667 \moveright\multicol@leftmargin
14668 \hbox to\full@width{%
14669   \bidi@multicol@align@columns
14670   \rlap{\phantom p}}%
14671 }%
14672 \prevdepth\z@
14673 \kern-\dimen\tw@
14674 \ifdim\dimen\tw@ > \mc@gridwarn
14675   \PackageWarning{multicol}%
14676   {Very deep columns!\MessageBreak
14677   Grid alignment might be broken}%
14678 \fi
14679 }
14680 \def\LTR@column@boxes{%
14681   \process@cols\mult@gfirstbox{%
14682     \ifdim\dp\count@>\dimen\tw@
14683       \global\dimen\tw@\dp\count@ \fi
14684     \mc@col@status@write
14685     \box\count@
14686     \hss{\columnseprulecolor\vrule
14687           \@width\columnseprule}\hss}%
14688   \ifdim\dp\mult@rightbox>\dimen\tw@
14689     \global\dimen\tw@\dp\mult@rightbox \fi
14690   \mc@lastcol@status@write
14691   \box\mult@rightbox
14692 }
14693
14694 \def\RTL@column@boxes{%
14695   \ifnum\col@number<\tw@
14696     \LTR@column@boxes

```



```

14697 \else
14698   \process@cols\mult@gfirstbox{%
14699     \hskip\hsize
14700     \hss{\columnseprulecolor\vrule
14701       \@width\columnseprule}\hss
14702   }%
14703   \hskip\hsize
14704   \process@cols\mult@gfirstbox{%
14705     \ifdim\dp\count@>\dimen\tw@
14706       \global\dimen\tw@\dp\count@ \fi
14707     \hskip-\hsize
14708     \mc@col@status@write
14709     \box\count@
14710     \hskip-\hsize
14711     \hskip-\columnsep
14712   }%
14713   \ifdim\dp\mult@rightbox>\dimen\tw@
14714     \global\dimen\tw@\dp\mult@rightbox \fi
14715   \hskip-\hsize
14716   \mc@lastcol@status@write
14717   \box\mult@rightbox
14718   \hskip-\hsize
14719   \hskip\full@width
14720 \fi
14721 }
14722 \newcommand\RTLmulticolcolumns
14723   {\let\bidimulticol@align@columns
14724     \RTL@column@boxes}
14725 \newcommand\LTRmulticolcolumns
14726   {\let\bidimulticol@align@columns
14727     \LTR@column@boxes}
14728 \newcommand\bidimulticol@align@columns
14729   {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14730 \def\multicols#1{\col@number#1\relax
14731   \ifnum\col@number<\tw@
14732     \PackageWarning{multicol}%
14733       {Using ``\number\col@number'
14734         columns doesn't seem a good idea.^^J
14735         I therefore use two columns instead}%
14736     \col@number\tw@ \fi
14737   \ifnum\col@number>10
14738     \PackageError{multicol}%
14739       {Too many columns}%
14740     {Current implementation doesn't
14741       support more than 10 columns.%
14742       \MessageBreak
14743       I therefore use 10 columns instead}%
14744   \col@number10 \fi
14745   \ifx\@footnotetext\mult@footnotetext\else
14746     \let\orig@footnotetext\@footnotetext

```




```

14747 \let\@footnotetext\mult@footnotetext
14748 \fi
14749 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14750 \let\orig@LTRfootnotetext\@LTRfootnotetext
14751 \let\@LTRfootnotetext\mult@LTRfootnotetext
14752 \fi
14753 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14754 \let\orig@RTLfootnotetext\@RTLfootnotetext
14755 \let\@RTLfootnotetext\mult@RTLfootnotetext
14756 \fi
14757 \@ifnextchar[\mult@cols{\mult@cols[]}]
14758 \long\def\mult@footnotetext#1{\begingroup
14759 \hsize\textwidth
14760 \columnwidth\textwidth
14761 \orig@footnotetext{#1}\endgroup}
14762 \long\def\mult@LTRfootnotetext#1{\begingroup
14763 \hsize\textwidth
14764 \columnwidth\textwidth
14765 \orig@LTRfootnotetext{#1}\endgroup}
14766 \long\def\mult@RTLfootnotetext#1{\begingroup
14767 \hsize\textwidth
14768 \columnwidth\textwidth
14769 \orig@RTLfootnotetext{#1}\endgroup}
14770 \def\right@footnoterule{%
14771 \kern-3\p@
14772 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14773 \kern2.6\p@}
14774 \def\textwidth@footnoterule{\kern-3\p@
14775 \hrule \@width \textwidth \kern 2.6\p@}

```

85 File multienum-xetex-bidi.def

```

14776 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14777 \renewcommand{\itemx}[1]{\parbox[t]{%
14778 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14779 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14780 \renewcommand{\itemxx}[2]{\parbox[t]{%
14781 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14782 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14783 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14784 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
14785 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14786 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14787 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14788 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14789 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
14790 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14791 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
14792 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
14793 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

14794 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
14795 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14796 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14797 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14798 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14799 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14800 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
14801 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
14802 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14803 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
14804 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14805 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
14806 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14807 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
14808 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14809 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
14810 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14811 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
14812 \renewcommand{\itemxox}[2]{\parbox[t]%
14813 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14814 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14815 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14816 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14817 \renewcommand{\itemxxo}[2]{\parbox[t]%
14818 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14819 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
14820 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14821 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
14822 \renewcommand{\itemxox}[3]{\parbox[t]%
14823 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14824 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14825 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14826 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14827 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14828 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14829 \renewcommand{\itemxxox}[3]{\parbox[t]%
14830 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14831 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14832 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14833 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
14834 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14835 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14836 \renewcommand{\itemxxox}[3]{\parbox[t]%
14837 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14838 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14839 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14840 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14841 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14842 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```



86 File natbib-xetex-bidi.def

```

14843 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
14844 \renewenvironment{thebibliography}[1]{%
14845   \bibsection
14846   \parindent\z@
14847   \bibpreamble
14848   \bibfont
14849   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14850   \bidi@thebibliography@font@hook%
14851   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14852   \ifNAT@openbib
14853     \renewcommand\newblock{\par}%
14854   \else
14855     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14856   \fi
14857   \sloppy\clubpenalty4000\widowpenalty4000
14858   \sfcode\.\@m
14859   \let\NAT@bibitem@first@sw\@firstoftwo
14860   \let\citeN\cite \let\shortcite\cite
14861   \let\citeasnoun\cite
14862 }{%
14863   \bibitem@fin
14864   \bibpostamble
14865   \def\@noitemerr{%
14866     \PackageWarning{natbib}{Empty `thebibliography' environment}%
14867   }%
14868   \endlist
14869   \bibcleanup
14870 }%

```

87 File newfloat-xetex-bidi.def

```

14871 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package f
14872 \renewcommand*{newfloat@setwithin}[2]{%
14873   \ifcsname c@chapter\endcsname
14874     \@removefromreset{#1}{chapter}%
14875   \fi
14876   \@removefromreset{#1}{section}%
14877   \edef\@tempa{#2}%
14878   \ifx\@tempa\@empty
14879     \def\@tempa{none}%
14880   \fi
14881   \def\@tempb{none}%
14882   \ifx\@tempa\@tempb
14883     \ifcsname c@chapter\endcsname
14884       \@chapterlistsgap@off{#1}%
14885     \fi
14886     \newfloat@setwithin{#1}{\@tempa}%
14887   \else

```



```

14888 \def\@tempb{chapter}%
14889 \ifx\@tempa\@tempb
14890 \addtoreset{#1}{chapter}%
14891 \chapterlistsgap@on{#1}%
14892 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14893 \else
14894 \def\@tempb{section}%
14895 \ifx\@tempa\@tempb
14896 \addtoreset{#1}{section}%
14897 \ifcsname c@chapter\endcsname
14898 \addtoreset{#1}{chapter}%
14899 \chapterlistsgap@on{#1}%
14900 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14901 \else
14902 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
14903 \fi
14904 \else
14905 \newfloat@Error{Invalid value `#2' for option `within'}%
14906 \fi
14907 \fi
14908 \fi}

```

88 File ntheorem-xetex-bidi.def

```

14909 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
14910 \gdef\@thm#1#2#3{%
14911 \if@thmmarks
14912 \stepcounter{end\InTheoType ctr}%
14913 \fi
14914 \renewcommand{\InTheoType}{#1}%
14915 \if@thmmarks
14916 \stepcounter{curr#1ctr}%
14917 \setcounter{end#1ctr}{0}%
14918 \fi
14919 \refstepcounter{#2}%
14920 \theorem@prework
14921 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14922 \ifvmode \advance\thm@topsepadd\partopsep\fi
14923 \trivlist
14924 \@topsep \theorempreskipamount
14925 \@topsepadd \thm@topsepadd % used by \@endparenv
14926 \advance\linewidth -\theorem@indent
14927 \advance\@totalleftmargin \theorem@indent
14928 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14929 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

89 File ntheorem-hyper-xetex-bidi.def

```

14930 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
14931 \gdef\@thm#1#2#3{%

```



```

14932 \if@thmmarks
14933   \stepcounter{end\InTheoType ctr}%
14934 \fi
14935 \renewcommand{\InTheoType}{#1}%
14936 \if@thmmarks
14937   \stepcounter{curr#1ctr}%
14938   \setcounter{end#1ctr}{0}%
14939 \fi
14940 \refstepcounter{#2}%
14941 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14942 \ifvmode \advance\thm@topsepadd\partopsep\fi
14943 \trivlist
14944 \@topsep \theorempreskipamount
14945 \@topsepadd \thm@topsepadd % used by \@endparenv
14946 \advance\linewidth -\theorem@indent
14947 \advance\@totalleftmargin \theorem@indent
14948 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14949 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

90 File overpic-xetex-bidi.def

```

14950 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
14951 \renewenvironment{overpic}[2][\]{%
14952   \sbox{\z@}{\includegraphics[#1]{#2}}%
14953   \settodepth{\@tempcnta}{\usebox{\z@}}%
14954   \settoheight{\@tempcntb}{\usebox{\z@}}%
14955   \advance\@tempcntb\@tempcnta%
14956   \settowidth{\@tempcnta}{\usebox{\z@}}%
14957   \setlength{\@tempdima}{\unitlength}%
14958   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14959 %
14960 \OVP@calc%
14961 %
14962 \begin{picture}(\@tempcnta,\@tempcntb)%
14963   \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14964   \ifGin@grid%
14965     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14966       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14967   \fi\fi%
14968   % reset the graphics parameter
14969   \let\Gin@outer@scalex\relax
14970   \let\Gin@outer@scaley\relax
14971   \let\Gin@angle\relax
14972   \let\Gin@ewidth\Gin@exclamation
14973   \let\Gin@eheight\Gin@ewidth
14974   \def\Gin@scalex{1}
14975   \let\Gin@scaley\Gin@exclamation
14976 }{%
14977   \if@RTL\ifGin@grid%
14978     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%

```



```

14979      \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14980      \fi%
14981      \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14982    \end{picture}%
14983  }%

```

91 File pdfbase-xetex-bidi.def

```

14984 \ProvidesFile{pdfbase-xetex-bidi.def}[2017/08/27 v0.1 bidi adaptations for pdfbase package for
14985 \ExplSyntaxOn
14986 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
14987 \cs_set_nopar:Npn\@outputpage{
14988   \int_gincr:N\g_pbs_page_int
14989   \iow_now:Nx\@mainaux{
14990     \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
14991   }
14992   \box_if_vertical:cTF{\@outputbox}{
14993     \bool_set_true:N\l_pbs_is_vertical_bool
14994   }{
14995     \bool_set_false:N\l_pbs_is_vertical_bool
14996   }
14997   \hbox_set:Nn\@outputbox{
14998     %begin of page
14999     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15000     \box_use_clear:N\@outputbox
15001     %end of page
15002     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15003     %end of dvi
15004     \int_compare:nT{\pbs@last@page=\g_pbs_page_int}{
15005       \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eod_seq{##1}}
15006     }
15007   }
15008   \bool_if:NT\l_pbs_is_vertical_bool{
15009     \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
15010   }
15011   %insert /Properties into current page's resources
15012   \pbs_insert_properties_entry:
15013   \pbs_outputpage_orig:
15014 }
15015 \ExplSyntaxOff

```

92 File pdfpages-xetex-bidi.def

```

15016 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package ]
15017 \renewcommand*{\includepdf}[2][{}]{%
15018   \begingroup
15019   \@RTLfalse
15020   \let\AM@threadname\relax
15021   \AM@split@options{pdfpages}{#1}%
15022   \edef\AM@temp{\pdfpages}{\the\@temptokena}}%

```



```

15023 \expandafter\setkeys\AM@temp
15024 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15025   \let\AM@currentdocname\relax
15026   \renewcommand\includegraphics[2][]{Survey in draft-mode}%
15027   \def\AM@pagecount{0}%
15028 }{%
15029   \AM@findfile{#2}%
15030   \if\AM@threadname\relax
15031     \def\AM@threadname{\AM@currentdocname}%
15032   \fi
15033 }%
15034 \ifAM@survey
15035   \def\AM@pagestemp{}%
15036   \@tempcnta=0
15037   \def\foo{%
15038     \@ifundefined{r@AM@xrprefix pdfpages@page\the\@tempcnta}%
15039     {\let\foo\relax}
15040     {\expandafter\ifx\expandafter\\AM@pagestemp\\
15041       \edef\AM@pagestemp{%
15042         \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15043       \else
15044         \edef\AM@pagestemp{\AM@pagestemp,%
15045           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15046       \fi
15047       \advance\@tempcnta 1\relax
15048     }%
15049     \foo
15050   }%
15051   \foo
15052   \expandafter\ifx\expandafter\\AM@pagestemp\\
15053     \def\AM@pagestemp{1}%
15054   \fi
15055 \fi
15056 \ifAM@output
15057   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15058   \AM@output{#1}%
15059 \fi
15060 \AM@CheckAtEnd
15061 \endgroup
15062 \AM@ClearShipoutPicture
15063 }

```

93 File pgfcorescopes.code-xetex-bidi.def

```

15064 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15065 \def\pgfpicture{%
15066   \begingroup%
15067   \ifmmode\else\@RTLfalse\beginL\fi%
15068   \pgfpicturetrue%
15069   \global\advance\pgf@picture@serial@count by1\relax%

```



```

15070 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
15071 \let\pgf@nodecallback=\pgfutil@gobble%
15072 \pgf@picmaxx=-16000pt\relax%
15073 \pgf@picminx=16000pt\relax%
15074 \pgf@picmaxy=-16000pt\relax%
15075 \pgf@picminy=16000pt\relax%
15076 \pgf@relevantforpicturesizetrue%
15077 \pgf@resetpathsizes%
15078 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
15079 \def\endpgfpicture{%
15080     \ifpgfrememberpicturepositiononpage%
15081         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}}%
15082     \fi%
15083     % ok, now let's position the box
15084     \ifdim\pgf@picmaxx=-16000pt\relax%
15085         % empty picture. make size 0.
15086         \global\pgf@picmaxx=0pt\relax%
15087         \global\pgf@picminx=0pt\relax%
15088         \global\pgf@picmaxy=0pt\relax%
15089         \global\pgf@picminy=0pt\relax%
15090     \fi%
15091     % Shift baseline outside:
15092     \pgf@relevantforpicturesizefalse%
15093     \pgf@process{\pgf@baseline}%
15094     \xdef\pgf@shift@baseline{\the\pgf@y}%
15095     %
15096     \pgf@process{\pgf@trimleft}%
15097     \global\advance\pgf@x by-\pgf@picminx
15098     % prepare \hskip\pgf@trimleft@final.
15099     % note that \pgf@trimleft@final is also queried
15100     % by the pgf image externalization.
15101     \xdef\pgf@trimleft@final{-\the\pgf@x}%
15102     %
15103     \pgf@process{\pgf@trimright}%
15104     \global\advance\pgf@x by-\pgf@picmaxx
15105     % prepare \hskip\pgf@trimright@final.
15106     % note that \pgf@trimright@final is also queried
15107     % by the pgf image externalization.
15108     \xdef\pgf@trimright@final{\the\pgf@x}%
15109     %
15110     \pgf@remember@layerlist@globally
15111     \endgroup%
15112     \hss%
15113     \egroup%
15114     \pgf@restore@layerlist@from@global
15115     \pgf@insertlayers%
15116     \endgroup%
15117     \pgfsys@discardpath%
15118     \endgroup%
15119     \pgfsys@endscope%

```




```

15120 \pgfsys@endpicture%
15121 \endgroup%
15122 \hss
15123 \egroup%
15124 \pgfsys@typesetpicturebox\pgfpic%
15125 \ifmmode\else\endL\fi%
15126 \endgroup%
15127 }

```

94 File picinpar-xetex-bidi.def

```

15128 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15129 \long\def\@makewincaption#1#2{%
15130 \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15131 \ifdim\wd\@tempboxa>\picwd
15132 {\footnotesize{\bf #1:\enspace}{#2\par}}
15133 \else
15134 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15135 \fi}
15136 \def\endwindow{%
15137 \global\tcd=\tcdsav
15138 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15139 \vbadness=10000
15140 \splittopskip=0pt
15141 %
15142 % Typeset the lines above the window
15143 %
15144 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15145 \tcn=\tcd
15146 \loop\advance\tcn -1
15147 \setbox\fslice=\vsplit\holder to\baselineskip
15148 \prune\fslice\linewidth
15149 \topheight=0pt
15150 \ifnum\dp\fslice>\dp\wstrutbox
15151 \advance\topheight-\dp\fslice
15152 \advance\topheight\dp\wstrutbox
15153 \advance\topheight\ilg\fi
15154 \hbox to\linewidth{\box\fslice}
15155 \vskip-\topheight
15156 \ifdim\ht\holder>0pt\repeat
15157 \fi
15158 %
15159 % Now we build the boxes beside the window
15160 %
15161 \global\topheight=\tcl\baselineskip
15162 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15163 \global\topheight=\vpic
15164 \fi
15165 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15166 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight

```



```

15167 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15168 \tcn=\tcl \na=0 \nb=0
15169 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15170 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15171 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15172 \ifnum\na=0\ifnum\nb=0
15173     \setbox\waslice=\vbox to\vpic{\vss}
15174     \setbox\wbslice=\vbox to\vpic{\vss}
15175     \bl=1\br=1
15176     \vskip\ilg
15177 \fi\fi
15178 %
15179 % both sides
15180 %
15181 \ifnum\na>0 \ifnum\nb>0
15182 \loop\advance\nb -1
15183 \advance\na -1
15184 \if@RTL%
15185 \setbox\bslice=\vsplit\holder to\baselineskip
15186 \prune\bslice\rtside
15187 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15188 to\rtside{\box\bslice\hfil}}
15189 \setbox\aslice=\vsplit\holder to\baselineskip
15190 \prune\aslice\lftside
15191 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15192 to\lftside{\box\aslice\hfil}}
15193 \else%
15194 \setbox\aslice=\vsplit\holder to\baselineskip
15195 \prune\aslice\lftside
15196 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15197 to\lftside{\box\aslice\hfil}}
15198 \setbox\bslice=\vsplit\holder to\baselineskip
15199 \prune\bslice\rtside
15200 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15201 to\rtside{\box\bslice\hfil}}
15202 \fi%
15203 \ifnum\nb>0\repeat
15204 \fi\fi
15205 %
15206 % only text on the left side
15207 %
15208 \ifnum\na>0
15209     \loop\advance\na -1
15210     \setbox\aslice=\vsplit\holder to\baselineskip
15211     \prune\aslice\lftside
15212     \setbox\waslice=\vbox{\unvbox\waslice\hbox
15213 to\lftside{\box\aslice\hfil}}
15214     \ifdim\ht\holder>0pt\repeat
15215 \fi
15216 %

```



```

15217 % only text on the right side
15218 %
15219 \ifnum\nb>0
15220   \loop\advance\nb -1
15221   \setbox\bslice=\vsplit\holder to\baselineskip
15222   \prune\bslice\rtside
15223   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15224     to\rtside{\box\bslice\hfil}}
15225   \ifdim\ht\holder>0pt\repeat
15226 \fi
15227 %
15228 % fixing the dimensions of the window part
15229 %
15230 \ifnum\bl=0\topheight=\ht\wbslice
15231 \else\ifnum\br=0\topheight=\ht\waslice
15232   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15233     \else\topheight=\ht\wbslice\fi\fi\fi
15234 %
15235 % ship out the window material to the main vertical list
15236 %
15237 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15238 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15239 \fi\fi\fi
15240 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15241 \ifnum\bl>0\box\waslice\hfill\fi%
15242 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15243 \vfill\unvbox\picbox%
15244 \ifnum\picwd>0\vfill\fi%
15245 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15246 \unvbox>windowbox%
15247 \loop
15248 \setbox\bslice=\vsplit\rawtext to\baselineskip
15249 \prune\bslice\linewidth
15250 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15251 \unvbox\wbslice
15252 \ifdim\ht\rawtext>0pt
15253 \repeat
15254 }% FINITO

```

95 File plain-xetex-bidi.def

```

15255 \def\TeXXeTOn{\TeXXeTstate=1 }
15256 \def\TeXXeTOff{\TeXXeTstate=0 }
15257 \TeXXeTOn
15258 \def\usebox#1{\leavevmode\copy #1\relax}
15259 \def\bidi@RTL@everypar{\setbox\z@lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15260   \let\bidi@o@everypar=\everypar
15261   \newtoks\bidi@n@everypar
15262   \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15263   \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}

```



```

15264 \let\everypar=\bidi@n@everypar
15265 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15266 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15267 \protected\def\hboxR{\hbox\bgroup
15268 \everyhbox{%
15269 \aftergroup\egroup
15270 \everyhbox{}}%
15271 \beginR
15272 \@hboxRconstructtrue
15273 \bgroup
15274 \aftergroup\endR
15275 \aftergroup\egroup
15276 }\hbox}
15277 \protected\def\hboxL{\hbox\bgroup
15278 \everyhbox{%
15279 \aftergroup\egroup
15280 \everyhbox{}}%
15281 \beginL
15282 \@hboxRconstructfalse
15283 \bgroup
15284 \aftergroup\endL
15285 \aftergroup\egroup
15286 }\hbox}
15287 \protected\def\vboxR{\vbox\bgroup
15288 \everyvbox{%
15289 \aftergroup\egroup
15290 \everyvbox{}}%
15291 \@RTLtrue
15292 \bgroup
15293 \aftergroup\egroup
15294 }\vbox}
15295 \protected\def\vboxL{\vbox\bgroup
15296 \everyvbox{%
15297 \aftergroup\egroup
15298 \everyvbox{}}%
15299 \@RTLfalse
15300 \bgroup
15301 \aftergroup\egroup
15302 }\vbox}
15303 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15304 \def\endLTR{\par}
15305 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15306 \def\endRTL{\par}
15307 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15308 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15309 \let\unsetRTL=\setLTR
15310 \let\unsetLTR=\setRTL
15311 \let\LR=\LRE
15312 \let\RL=\RLE
15313 \def\@ensureRTL#1{\if@RTL#1\else\RLE{#1}\fi}

```



```

15314 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15315 \let\@ensure@RL=\@ensure@RTL
15316 \let\@ensure@LR=\@ensure@LTR
15317 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15318 \let\@ensure@maindir=\@ensure@dir
15319 \def\@@RTL{RTL}
15320 \def\@@LTR{LTR}
15321 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15322 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi\fi}
15323 \let\@@TeX\TeX
15324 \def\TeX{\@ensure@LTR{\@@TeX}}
15325 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
15326 \dimen@=\dp@ccclv \unvbox\ccclv % open up \box255
15327 \ifvoid\footins\else % footnote info is present
15328   \vskip\skip\footins
15329   \footnoterule
15330   \unvbox\footins\fi
15331 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
15332 \ifvoid\@bidi@copyins@
15333 \else
15334   \vskip\skip\@bidi@copyins@
15335   \unvbox\@bidi@copyins@
15336 \fi
15337 }
15338 \long\def\bidi@reflect@box#1{%
15339   \leavevmode
15340   \setbox\z@\hbox{#{#1}}%
15341   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15342   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15343 }
15344 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
15345   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15346 \let\setRL=\setRTL
15347 \let\setLR=\setLTR
15348 \let\unsetRL=\setLTR
15349 \let\bidi@sav@eqno=\eqno
15350 \let\bidi@sav@leqno=\leqno
15351 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@sav@leqno \else \bidi@sav@eqno \fi}
15352 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@sav@eqno \else \bidi@sav@leqno \fi}
15353 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15354 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15355 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

96 File pstricks-xetex-bidi.def

```

15356 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15357 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15358 \def\endpspicture{%
15359   \ifshowgrid\ifnum\showgridp>0
15360     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%

```



```

15361 \pst@killglue
15362 % \global\pst@shift=\pst@shift% in fact of the following endgroup
15363 \endgroup
15364 \egroup
15365 \ifdim\wd\pst@hbox=\z@\else
15366   %\pstrickserr{Extraneous space in the pspicture environment}%
15367   %\Type \space <return> \space to proceed.}%
15368 \fi
15369 \ht\pst@hbox=\pst@dimd
15370 \dp\pst@hbox=-\pst@dimb
15371 \setbox\pst@hbox=\hbox{%
15372   \kern-\pst@dimd
15373 % Orig version -----
15374 %\ifx\pst@tempa\@empty\else
15375 %\advance\pst@dimd-\pst@dimb
15376 %\pst@dimd=\pst@tempa\pst@dimd
15377 %\advance\pst@dimd\pst@dimb
15378 %\lower\pst@dimd
15379 %\fi
15380 %----- end Orig
15381 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift==
15382 \advance\pst@dimd-\pst@dimb
15383 \pst@dimd=0.5\pst@dimd
15384 \else\pst@dimd-\pst@shift\fi
15385 \advance\pst@dimd\pst@dimb
15386 \lower\pst@dimd
15387 \box\pst@hbox
15388 \kern\pst@dimc}%
15389 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15390 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15391 \fboxsep=0pt
15392 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15393 \ifmmode\else\endL\fi
15394 \endgroup%
15395 \psset[pstricks]{shift=0}% reset value
15396 }

```

97 File quotchap-xetex-bidi.def

```

15397 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15398 \renewcommand{\qauthor}[1]{%
15399   \par\smallskip
15400   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
15401 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15402   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15403     {\chapnumfont
15404       \ifnum \c@secnumdepth >\m@ne%
15405       \if@mainmatter\thechapter%
15406       \fi\fi
15407       \par\nobreak}%

```



```

15408      {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10e
15409      \nobreak\chapterheadendvskip}}
15410 \renewcommand*{\@iprintcites}{%
15411   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15412   \global\let\@printcites\relax}

```

98 File ragged2e-xetex-bidi.def

```

15413 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package ]
15414 \renewcommand{\Centering}{%
15415   \ifx\\ \@raggedtwoe@savedcr
15416     \let\\ \@centercr
15417   \fi
15418   \let\@gnewline\@raggedtwoe@gnewline
15419   \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
15420   \@rightsip\CenteringRightskip
15421   \if@RTL\leftskip\else\rightskip\fi\@rightsip
15422   \parfillskip\CenteringParfillskip
15423   \parindent\CenteringParindent
15424   \@raggedtwoe@spaceskiptrue
15425   \@raggedtwoe@everyselectfont
15426 }
15427 \renewcommand{\RaggedLeft}{%
15428   \ifx\\ \@raggedtwoe@savedcr
15429     \let\\ \@centercr
15430   \fi
15431   \let\@gnewline\@raggedtwoe@gnewline
15432   \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
15433   \@rightsip\RaggedLeftRightskip
15434   \if@RTL\leftskip\else\rightskip\fi\@rightsip
15435   \parfillskip\RaggedLeftParfillskip
15436   \parindent\RaggedLeftParindent
15437   \@raggedtwoe@spaceskiptrue
15438   \@raggedtwoe@everyselectfont
15439 }
15440 \renewcommand{\RaggedRight}{%
15441   \ifx\\ \@raggedtwoe@savedcr
15442     \let\\ \@centercr
15443   \fi
15444   \let\@gnewline\@raggedtwoe@gnewline
15445   \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
15446   \@rightsip\RaggedRightRightskip
15447   \if@RTL\leftskip\else\rightskip\fi\@rightsip
15448   \parfillskip\RaggedRightParfillskip
15449   \parindent\RaggedRightParindent
15450   \@raggedtwoe@spaceskiptrue
15451   \@raggedtwoe@everyselectfont
15452 }
15453 \renewcommand{\justifying}{%
15454   \let\\ \@raggedtwoe@savedcr

```



```

15455 \let\@gnewline\@raggedtwoe@samed@gnewline
15456 \if@RTL\rightskip\else\leftskip\fi\z@
15457 \@rightskip\z@
15458 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15459 \parfillskip\JustifyingParfillskip
15460 \parindent\JustifyingParindent
15461 \@raggedtwoe@spaceskipfalse
15462 \@raggedtwoe@everyselectfont
15463 }
15464 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{
15465 \CheckCommand*{\@arrayparboxrestore}{%
15466 \let\if@nobreak\iffalse
15467 \let\if@noskipsec\iffalse
15468 \let\par\@par
15469 \let\-\@dischyph
15470 \let'\@acci\let'\@accii\let\=\@acciii
15471 \parindent\z@ \parskip\z@skip
15472 \everypar{}%
15473 \linewidth\hsize
15474 \@totalleftmargin\z@
15475 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
15476 \parfillskip\@flushglue \lineskip\normallineskip
15477 \baselineskip\normalbaselineskip
15478 \sloppy}%
15479 \renewcommand{\@arrayparboxrestore}{%
15480 \let\if@nobreak\iffalse
15481 \let\if@noskipsec\iffalse
15482 \let\par\@par
15483 \let\-\@dischyph
15484 \let'\@acci\let'\@accii\let\=\@acciii
15485 \parskip\z@skip
15486 \everypar{}%
15487 \linewidth\hsize
15488 \@totalleftmargin\z@
15489 \RaggedRight
15490 \lineskip\normallineskip
15491 \baselineskip\normalbaselineskip
15492 \sloppy}%
15493 \let\@raggedtwoe@raggedrightboxes@opt\relax
15494 }
15495 \let\origin@RaggedLeft=\RaggedLeft
15496 \let\origin@RaggedRight=\RaggedRight
15497 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15498 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

99 File rapport1-xetex-bidi.def

```

15499 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15500 \renewenvironment{theindex}{%
15501 \if@twocolumn

```




```

15502 \@restonecolfalse
15503 \else
15504 \@restonecoltrue
15505 \fi
15506 \columnseprule \z@
15507 \columnsep 35\p@
15508 \twocolumn[\@makeschapterhead{\indexname}]%
15509 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15510 \thispagestyle{plain}\parindent\z@
15511 \parskip\z@ \@plus .3\p@\relax
15512 \let\item\@idxitem
15513 }{%
15514 \if@restonecol\onecolumn\else\clearpage\fi}
15515 \renewcommand*{\head@style}{%
15516 \interlinepenalty \@M
15517 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15518 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15519 \if@titlepage
15520 \renewenvironment{abstract}{%
15521 \titlepage
15522 \null\vfil
15523 \section*{\SectFont\abstractname}%
15524 \noindent\ignorespaces}
15525 {\par\vfil\null\endtitlepage}
15526 \else
15527 \renewenvironment{abstract}{%
15528 \if@twocolumn
15529 \section*{\abstractname}%
15530 \else
15531 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15532 \section*{\small\SectFont\abstractname}%
15533 \noindent\ignorespaces
15534 \fi}
15535 {\if@twocolumn\else\par\egroup\fi}
15536 \fi
15537 \renewcommand*\@regtocline[3]{%
15538 \ifnum #1>\c@tocdepth
15539 \else
15540 \vskip\z@ \@plus.2\p@
15541 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
15542 \if@RTL\rightskip\else\leftskip\fi\unitindent
15543 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
15544 \parfillskip\z@
15545 \@tempdima\unitindent
15546 \parindent\z@
15547 \leavevmode
15548 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15549 \hskip 1em \nobreak{\slshape #3}\par
15550 }%
15551 \fi}

```



```

15552 \if@oldtoc
15553 \renewcommand*\l@part[2]{%
15554   \ifnum \c@tocdepth >-2\relax
15555     \addpenalty{-\@highpenalty}%
15556     \addvspace{2.25em \@plus\p@}%
15557     \begingroup
15558       \setlength\@tempdima{3em}%
15559       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15560       \parfillskip -\@pnumwidth
15561       {\leavevmode
15562         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15563       \nobreak
15564       \global\@nobreaktrue
15565       \everypar{\global\@nobreakfalse\everypar{}}%
15566     \endgroup
15567   \fi}
15568 \else
15569   \renewcommand*\l@part{%
15570     \ifnum \c@tocdepth >-2\relax
15571       \addpenalty{-\@highpenalty}%
15572       \addvspace{2.25em \@plus\p@}%
15573       \@regtocline{0}%
15574     \fi}
15575 \fi
15576 \if@oldtoc
15577 \renewcommand*\l@chapter[2]{%
15578   \addpenalty{-\@highpenalty}%
15579   \vskip 1.0em \@plus\p@
15580   \setlength\@tempdima{1.5em}%
15581   \begingroup
15582   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15583   \parfillskip -\@pnumwidth
15584   \leavevmode \bfseries
15585   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15586   \hskip -\if@RTL\rightskip\else\leftskip\fi
15587   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15588   \penalty\@highpenalty
15589   \endgroup}
15590 \else
15591   \renewcommand*\l@chapter{\@regtocline{0}}
15592 \fi
15593 \renewcommand*\left@footnoterule{%
15594   \kern-3\p@
15595   \kern.5\baselineskip
15596   \hrule\@width\unitindent
15597   \kern.4\baselineskip
15598 }
15599 \renewcommand*\right@footnoterule{%
15600   \kern-3\p@
15601   \kern.5\baselineskip

```



```

15602 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15603 \kern.4\baselineskip}
15604 \renewenvironment{thebibliography}[1]
15605     {\chapter*{\bibname}%
15606      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15607      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15608      \bidi@thebibliography@font@hook%
15609      \list{\@biblabel{\@arabic\c@enumiv}}%
15610          {\settowidth\labelwidth{\@biblabel{#1}}%
15611           \leftmargin\labelwidth
15612           \advance\leftmargin\labelsep
15613           \@openbib@code
15614           \usecounter{enumiv}%
15615           \let\p@enumiv\@empty
15616           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15617      \sloppy\clubpenalty4000\widowpenalty4000%
15618      \sfcode`\.\@m}
15619      {\def\@noitemerr
15620       {\@latex@warning{Empty `thebibliography' environment}}%
15621       \endlist}
15622 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15623 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15624 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15625 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15626 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15627 \renewcommand*\theequation{%
15628   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15629 \renewcommand*\thefigure{%
15630   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15631 \renewcommand*\thetable{%
15632   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15633 \if@titlepage
15634 \renewcommand*\TitleFont{\rmfamily}
15635 \renewcommand*\maketitle{%
15636   \begin{titlepage}%
15637     \let\footnotesize\small
15638     \let\right@footnoterule\relax
15639     \let\left@footnoterule\relax
15640     \let\textwidth\footnoterule\relax
15641     \let \footnote \thanks
15642     \long\def\@makefnmark##1{\parindent\z@
15643       \def\labelitemi{\textendash}\@revlabeltrue
15644       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15645     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15646     \if@compatibility\setcounter{page}{0}\fi
15647     \null\vfil
15648     \vskip 60\p@
15649     \begin{center}%
15650       \TitleFont
15651       {\LARGE \def\\{\penalty -\@M}

```



```

15652     \if@allcaps
15653         \expandafter\uc@nothanks \@title\thanks\relax
15654     \else
15655         \@title
15656     \fi\par}%
15657 \vskip 3em%
15658 {\large
15659 \lineskip .75em \parindent\z@
15660 \begin{tabular}[t]{c}%
15661     \if@allcaps
15662         \expandafter\uc@authornothanks \@author\and\relax
15663     \else
15664         \@author
15665     \fi
15666 \end{tabular}\par}%
15667 \vskip 1.5em%
15668 {\large
15669 \if@allcaps
15670     \uppercase\expandafter{\@date}%
15671 \else
15672     \@date
15673 \fi\par}%
15674 \end{center}\par
15675 \@thanks
15676 \vfil\null
15677 \end{titlepage}%
15678 \setcounter{footnote}{0}%
15679 \global\let\thanks\relax
15680 \global\let\maketitle\relax
15681 \global\let\@thanks\@empty
15682 \global\let\@author\@empty
15683 \global\let\@title\@empty
15684 \global\let\@date\@empty
15685 \global\let\title\relax
15686 \global\let\author\relax
15687 \global\let\date\relax
15688 \global\let\and\relax
15689 }
15690 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15691 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15692     \futurelet\@tempa\uc@ax}
15693 \def\uc@ax{%
15694     \ifx\@tempa\relax
15695     \else
15696         \ \ \andname \ \ \expandafter\uc@authornothanks
15697     \fi}
15698 \def\uc@tx{\ifx\@tempa\relax
15699     \else \expandafter\uc@ty \fi}
15700 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15701 \else

```



```

15702 \renewcommand*\maketitle{\par
15703   \begingroup
15704     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15705     \def\@makefnmark{\rlap{%
15706       \@textsuperscript{\normalfont\@thefnmark}}}%
15707     \long\def\@makefntext{\@xmakefntext{%
15708       \@textsuperscript{\normalfont\@thefnmark}}}%
15709     \if@twocolumn
15710       \ifnum \col@number=\@ne
15711         \@maketitle
15712       \else
15713         \twocolumn[\@maketitle]%
15714       \fi
15715     \else
15716       \newpage
15717       \global\@topnum\z@
15718       \@maketitle
15719     \fi
15720     \thispagestyle{plain}\@thanks
15721   \endgroup
15722   \setcounter{footnote}{0}%
15723   \global\let\thanks\relax
15724   \global\let\maketitle\relax
15725   \global\let\@maketitle\relax
15726   \global\let\@thanks\@empty
15727   \global\let\@author\@empty
15728   \global\let\@title\@empty
15729   \global\let\@date\@empty
15730   \global\let\title\relax
15731   \global\let\author\relax
15732   \global\let\date\relax
15733   \global\let\and\relax
15734 }
15735 \def\@maketitle{%
15736   \newpage
15737   \null
15738   \vskip 2em%
15739   \begin{center}%
15740     \let \footnote \thanks
15741     {\LARGE \TitleFont \@title \par}%
15742     \vskip 1.5em%
15743     {\large \TitleFont
15744       \lineskip .5em%
15745       \begin{tabular}[t]{c}%
15746         \@author
15747       \end{tabular}\par}%
15748     \vskip 1em%
15749     {\large \TitleFont \@date}%
15750   \end{center}%
15751   \par

```



```

15752 \vskip 1.5em}
15753 \fi

```

100 File rapport3-xetex-bidi.def

```

15754 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15755 \renewenvironment{theindex}{%
15756 \if@twocolumn
15757 \@restonecolfalse
15758 \else
15759 \@restonecoltrue
15760 \fi
15761 \columnseprule \z@
15762 \columnsep 35\p@
15763 \twocolumn[\@makeschapterhead{\indexname}]%
15764 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15765 \thispagestyle{plain}\parindent\z@
15766 \parskip\z@ \@plus .3\p@\relax
15767 \let\item\@idxitem
15768 }{%
15769 \if@restonecol\onecolumn\else\clearpage\fi}
15770 \if@titlepage
15771 \renewcommand*{\TitleFont}{\rmfamily}
15772 \renewcommand*{\maketitle}{%
15773 \begin{titlepage}%
15774 \let\footnotesize\small
15775 \let\right@footnoterule\relax
15776 \let\left@footnoterule\relax
15777 \let\textwidth@footnoterule\relax
15778 \let \footnote \thanks
15779 \let \LTRfootnote \LTRthanks
15780 \let \RTLfootnote \RTLthanks
15781 \long\def\@makefntext##1{\parindent\z@
15782 \def\labelitemi{\textendash}\@revlabeltrue
15783 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15784 \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
15785 \if@compatibility\setcounter{page}{0}\fi
15786 \null\vfil
15787 \vskip 60\p@
15788 \begin{center}%
15789 \TitleFont
15790 {\LARGE \def\\{\penalty -\@M}
15791 \if@allcaps
15792 \expandafter\uc@nothanks\@title\thanks\relax
15793 \else
15794 \@title
15795 \fi\par}%
15796 \vskip 3em%
15797 {\large
15798 \lineskip .75em \parindent\z@

```



```

15799      \begin{tabular}[t]{c}%
15800      \if@allcaps
15801      \expandafter\uc@authornothanks\@author\and\relax
15802      \else
15803      \@author
15804      \fi
15805      \end{tabular}\par}%
15806      \vskip 1.5em%
15807      {\large
15808      \if@allcaps
15809      \uppercase\expandafter{\@date}%
15810      \else
15811      \@date
15812      \fi\par}%
15813      \end{center}\par
15814      \@thanks
15815      \vfil\null
15816      \end{titlepage}%
15817      \setcounter{footnote}{0}%
15818      \global\let\thanks\relax
15819      \global\let\LTRthanks\relax
15820      \global\let\RTLthanks\relax
15821      \global\let\maketitle\relax
15822      \global\let\@thanks\@empty
15823      \global\let\@author\@empty
15824      \global\let\@title\@empty
15825      \global\let\@date\@empty
15826      \global\let\title\relax
15827      \global\let\author\relax
15828      \global\let\date\relax
15829      \global\let\and\relax
15830      }
15831      \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15832      \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15833      \futurelet\@tempa\uc@ax}
15834      \def\uc@ax{%
15835      \ifx\@tempa\relax
15836      \else
15837      \\\andname \\\expandafter\uc@authornothanks
15838      \fi}
15839      \def\uc@tx{\ifx\@tempa\relax
15840      \else \expandafter\uc@ty \fi}
15841      \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15842      \else
15843      \renewcommand*\maketitle{\par
15844      \begingroup
15845      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15846      \def\@makefnmark{\rlap{%
15847      \@textsuperscript{\normalfont\@thefnmark}}}%
15848      \long\def\@makefntext{\@xmakefntext{

```



```

15849     \@textsuperscript{\normalfont\@thefnmark}}}%
15850     \if@twocolumn
15851         \ifnum \col@number=\@ne
15852             \@maketitle
15853         \else
15854             \twocolumn[\@maketitle]%
15855         \fi
15856     \else
15857         \newpage
15858         \global\@topnum\z@
15859         \@maketitle
15860     \fi
15861     \thispagestyle{plain}\@thanks
15862 \endgroup
15863 \setcounter{footnote}{0}%
15864 \global\let\thanks\relax
15865 \global\let\LTRthanks\relax
15866 \global\let\RTLthanks\relax
15867 \global\let\maketitle\relax
15868 \global\let\@maketitle\relax
15869 \global\let\@thanks\@empty
15870 \global\let\@author\@empty
15871 \global\let\@title\@empty
15872 \global\let\@date\@empty
15873 \global\let\title\relax
15874 \global\let\author\relax
15875 \global\let\date\relax
15876 \global\let\and\relax
15877 }
15878 \def\@maketitle{%
15879     \newpage
15880     \null
15881     \vskip 2em%
15882     \if@titlecentered
15883         \begin{center}%
15884             \let \footnote \thanks
15885             \let \LTRfootnote \LTRthanks
15886             \let \RTLfootnote \RTLthanks
15887             {\LARGE \TitleFont \@title \par}%
15888             \vskip 1.5em%
15889             {\large \TitleFont
15890                 \lineskip .5em%
15891                 \begin{tabular}[t]{c}%
15892                     \@author
15893                 \end{tabular}\par}%
15894             \vskip 1em%
15895             {\large \TitleFont \@date}%
15896         \end{center}%
15897     \else
15898         {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em

```




```

15899     {\large \TitleFont \lineskip .5em \tabcolsep\z@
15900         \def\and{%% \begin{tabular} has already started
15901             \end{tabular}\hskip 1em plus .17fil
15902             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular}
15903             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
15904     \vskip 1em {\large \TitleFont \@date}
15905 \fi
15906 \par
15907 \vskip 1.5em}
15908 \fi
15909 \renewcommand*\@regtocline[3]{%
15910     \ifnum #1>\c@tocdepth
15911     \else
15912         \vskip\z@\@plus.2\p@
15913         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15914             \if@RTL\righskip\else\leftskip\fi\unitindent
15915             \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15916             \parfillskip\z@
15917             \@tempdima\unitindent
15918             \parindent\z@
15919             \leavevmode
15920             \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15921             \hskip 1em \nobreak{\slshape #3}\par
15922         }%
15923     \fi}
15924 \if@oldtoc
15925 \renewcommand*\l@part[2]{%
15926     \ifnum \c@tocdepth >-2\relax
15927         \addpenalty{-\@highpenalty}%
15928         \addvspace{2.25em \@plus\p@}%
15929         \begingroup
15930             \setlength\@tempdima{3em}%
15931             \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15932             \parfillskip -\@pnumwidth
15933             {\leavevmode
15934                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15935                 \nobreak
15936                 \global\@nobreaktrue
15937                 \everypar{\global\@nobreakfalse\everypar{}}%
15938             \endgroup
15939         \fi}
15940 \else
15941     \renewcommand*\l@part{%
15942         \ifnum \c@tocdepth >-2\relax
15943             \addpenalty{-\@highpenalty}%
15944             \addvspace{2.25em \@plus\p@}%
15945             \@regtocline{0}%
15946         \fi}
15947 \fi
15948 \if@oldtoc

```



```

15949 \renewcommand*\l@chapter[2]{%
15950     \addpenalty{-\@highpenalty}%
15951     \vskip 1.0em \@plus\p@
15952     \setlength\@tempdima{1.5em}%
15953     \begingroup
15954     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15955     \parfillskip -\@pnumwidth
15956     \leavevmode \bfseries
15957     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15958     \hskip -\if@RTL\rightskip\else\leftskip\fi
15959     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15960     \penalty\@highpenalty
15961 \endgroup}
15962 \else
15963 \renewcommand*\l@chapter{\@regtocline{0}}
15964 \fi
15965 \renewcommand*\head@style{%
15966     \interlinepenalty \@M
15967     \hyphenpenalty=\@M \exhyphenpenalty=\@M
15968     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15969 \if@titlepage
15970 \renewenvironment{abstract}{%
15971     \titlepage
15972     \null\vfil
15973     \section*{\SectFont\abstractname}%
15974     \noindent\ignorespaces}
15975     {\par\vfil\null\endtitlepage}
15976 \else
15977 \renewenvironment{abstract}{%
15978     \if@twocolumn
15979     \section*{\abstractname}%
15980     \else
15981     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15982     \section*{\small\SectFont\abstractname}%
15983     \noindent\ignorespaces
15984     \fi}
15985     {\if@twocolumn\else\par\egroup\fi}
15986 \fi
15987 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15988 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15989 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15990 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15991 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15992 \renewcommand*\thefigure{%
15993     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15994 \renewcommand*\thetable{%
15995     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15996 \renewcommand*\theequation{%
15997     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15998 \renewenvironment{thebibliography}[1]

```



```

15999   {\chapter*{\bibname}%
16000     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16001     \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
16002     \bidi@thebibliography@font@hook%
16003     \list{\@biblabel{\@arabic\c@enumiv}}%
16004         {\settowidth\labelwidth{\@biblabel{#1}}%
16005         \leftmargin\labelwidth
16006         \advance\leftmargin\labelsep
16007         \@openbib@code
16008         \usecounter{enumiv}%
16009         \let\p@enumiv\@empty
16010         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16011     \sloppy\clubpenalty4000\widowpenalty4000%
16012     \sfcode`\.\@m}
16013   {\def\@noitemerr
16014     {\@latex@warning{Empty `thebibliography' environment}}}%
16015   \endlist}
16016 \renewcommand*\left@footnoterule{%
16017   \kern-3\p@
16018   \kern.5\baselineskip
16019   \hrule\@width\unitindent
16020   \kern.4\baselineskip
16021 }
16022 \renewcommand*\right@footnoterule{%
16023   \kern-3\p@
16024   \kern.5\baselineskip
16025   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16026   \kern.4\baselineskip}
16027 \renewcommand*\head@style{%
16028   \interlinepenalty \@M
16029   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16030   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

101 File refrep-xetex-bidi.def

```

16031 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe
16032 \if@titlepage
16033   \renewcommand\maketitle{\begin{titlepage}%
16034     \let\footnotesize\small
16035     \let\right@footnoterule\relax
16036     \let\left@footnoterule\relax
16037     \let\textwidth\footnoterule\relax
16038     \let\footnote\thanks
16039     \let\LTRfootnote\LTRthanks
16040     \let\RTLfootnote\RTLthanks
16041     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16042     \def\@makefnmark%
16043       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16044     \long\def\@makefntext##1{%
16045       \@setpar{\@par

```



```

16046         \@tempdima = \hsize
16047         \advance\@tempdima -1em
16048         \parshape \@ne 1em \@tempdima}%
16049     \par\parindent 1em \noindent
16050     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16051 \null\vfil
16052 \vskip 60\p@
16053 \begin{center}%
16054     {\LARGE \@title \par}%
16055     \vskip 3em%
16056     {\large
16057         \lineskip .75em%
16058         \begin{tabular}[t]{c}%
16059             \@author
16060         \end{tabular}\par}%
16061     \vskip 1.5em%
16062     {\large \@date \par}%           % Set date in \large size.
16063 \end{center}\par
16064 \@thanks
16065 \vfil\null
16066 \end{titlepage}%
16067 \setcounter{footnote}{0}%
16068 \global\let\thanks\relax
16069 \global\let\LTRthanks\relax
16070 \global\let\RTLthanks\relax
16071 \global\let\maketitle\relax
16072 \global\let\@thanks\@empty
16073 \global\let\@author\@empty
16074 \global\let\@date\@empty
16075 \global\let\@title\@empty
16076 \global\let\title\relax
16077 \global\let\author\relax
16078 \global\let\date\relax
16079 \global\let\and\relax
16080 }
16081 \else
16082 \renewcommand\maketitle{\par
16083     \begingroup
16084         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16085         \def\@makefnmark%
16086             {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16087         \long\def\@makefntext##1{%
16088             \@setpar{\@par
16089                 \@tempdima = \hsize
16090                 \advance\@tempdima -1em
16091                 \parshape \@ne 1em \@tempdima}%
16092             \par\parindent 1em \noindent
16093             \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16094         \if@twocolumn
16095             \ifnum \col@number=\@ne

```



```

16096         \@maketitle
16097     \else
16098         \twocolumn[\@maketitle]%
16099     \fi
16100 \else
16101     \newpage
16102     \global\@topnum\z@    % Prevents figures from going at top of page.
16103     \@maketitle
16104     \fi
16105     \thispagestyle{empty}\@thanks
16106 \endgroup
16107 \setcounter{footnote}{0}%
16108 \global\let\thanks\relax
16109 \global\let\LTRthanks\relax
16110 \global\let\RTLthanks\relax
16111 \global\let\maketitle\relax
16112 \global\let\@maketitle\relax
16113 \global\let\@thanks\@empty
16114 \global\let\@author\@empty
16115 \global\let\@date\@empty
16116 \global\let\@title\@empty
16117 \global\let\title\relax
16118 \global\let\author\relax
16119 \global\let\date\relax
16120 \global\let\and\relax
16121 }
16122 \def\@maketitle{%
16123     \newpage
16124     \null
16125     \longthickrule\vskip1.5em%
16126     \let \footnote \thanks
16127     \let \LTRfootnote \LTRthanks
16128     \let \RTLfootnote \RTLthanks
16129     {\secshape \parskip\z@ \parindent\z@
16130     \Large\bfseries \@title \par}%
16131     \vskip1.5em\longthickrule\vskip1.5em%
16132     {\normalsize
16133     \lineskip .5em%
16134     \begin{flushright}%
16135         {\slshape\@author\par}
16136         \vskip 1em%
16137         {\@date}%
16138     \end{flushright}\par}%
16139     \vskip 1.5em}
16140 \fi
16141 \renewcommand*\l@part[2]{%
16142     \ifnum \c@tocdepth >-2\relax
16143         \addpenalty{-\@highpenalty}%
16144         \addvspace{2.25em \@plus\p@}%
16145         \begingroup

```



```

16146 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16147 \parfillskip -\@pnumwidth
16148 {\leavevmode
16149 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16150 \nobreak
16151 \global\@nobreaktrue
16152 \everypar{\global\@nobreakfalse\everypar{}}%
16153 \endgroup
16154 \fi}
16155 \renewcommand*\l@chapter[2]{%
16156 \ifnum \c@tocdepth >\m@ne
16157 \addpenalty{-\@highpenalty}%
16158 \vskip 1.0em \@plus\p@
16159 \setlength\@tempdima{1.5em}%
16160 \begingroup
16161 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16162 \parfillskip -\@pnumwidth
16163 \leavevmode \bfseries
16164 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16165 \hskip -\if@RTL\rightskip\else\leftskip\fi
16166 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16167 \penalty\@highpenalty
16168 \endgroup
16169 \fi}
16170 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16171 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16172 \hyphenpenalty=2000}
16173 \renewcommand\left@footnoterule{%
16174 \kern-3\p@
16175 \hrule\@width.4\columnwidth
16176 \kern 2.6\p@}
16177 \renewcommand\right@footnoterule{%
16178 \kern-3\p@
16179 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16180 \kern2.6\p@}
16181 \renewcommand\theequation
16182 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16183 \renewcommand\thefigure
16184 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16185 \renewcommand\thetable%
16186 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16187 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16188 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16189 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16190 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16191 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16192 \renewenvironment{thebibliography}[1]
16193 {\chapter*{\bibname
16194 \@mkboth{\bibname}{\bibname}}%
16195 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

16196 \bidi@@thebibliography@font@hook%
16197 \list{\@biblabel{\@arabic\c@enumiv}}%
16198     {\settowidth\labelwidth{\@biblabel{#1}}%
16199      \leftmargin\labelwidth
16200      \advance\leftmargin\labelsep
16201      \@openbib@code
16202      \usecounter{enumiv}%
16203      \let\p@enumiv\@empty
16204      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16205      \sloppy
16206      \clubpenalty4000
16207      \@clubpenalty \clubpenalty
16208      \widowpenalty4000%
16209      \sfcode`\.=\@m}
16210 \def\@noitemerr
16211     {\@latex@warning{Empty `thebibliography' environment}}%
16212 \endlist}

```

102 File report-xetex-bidi.def

```

16213 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16214 \renewenvironment{theindex}
16215     {\if@twocolumn
16216      \@restonecolfalse
16217      \else
16218      \@restonecoltrue
16219      \fi
16220      \columnseprule \z@
16221      \columnsep 35\p@
16222      \twocolumn[\@makeschapterhead{\indexname}]%
16223      \@mkboth{\MakeUppercase\indexname}%
16224              {\MakeUppercase\indexname}%
16225      \thispagestyle{plain}\parindent\z@
16226      \parskip\z@ \@plus .3\p@\relax
16227      \let\item\@idxitem}
16228     {\if@restonecol\onecolumn\else\clearpage\fi}
16229 \if@titlepage
16230 \renewcommand\maketitle{\begin{titlepage}%
16231 \let\footnotesize\small
16232 \let\right@footnoterule\relax
16233 \let\left@footnoterule\relax
16234 \let\textwidth\footnoterule\relax
16235 \let \footnote \thanks
16236 \let \LTRfootnote \LTRthanks
16237 \let \RTLfootnote \RTLthanks
16238 \null\vfil
16239 \vskip 60\p@
16240 \begin{center}%
16241     {\LARGE \@title \par}%
16242     \vskip 3em%

```



```

16243 {\large
16244 \lineskip .75em%
16245 \begin{tabular}[t]{c}%
16246 \@author
16247 \end{tabular}\par}%
16248 \vskip 1.5em%
16249 {\large \@date \par}% % Set date in \large size.
16250 \end{center}\par
16251 \@thanks
16252 \vfil\null
16253 \end{titlepage}%
16254 \setcounter{footnote}{0}%
16255 \global\let\thanks\relax
16256 \global\let\LTRthanks\relax
16257 \global\let\RTLthanks\relax
16258 \global\let\maketitle\relax
16259 \global\let\@thanks\@empty
16260 \global\let\@author\@empty
16261 \global\let\@date\@empty
16262 \global\let\@title\@empty
16263 \global\let\title\relax
16264 \global\let\author\relax
16265 \global\let\date\relax
16266 \global\let\and\relax
16267 }
16268 \else
16269 \renewcommand\maketitle{\par
16270 \begingroup
16271 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16272 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16273 \long\def\@makefntext##1{\parindent 1em\noindent
16274 \hb@xt@1.8em{%
16275 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16276 \if@twocolumn
16277 \ifnum \col@number=\@ne
16278 \@maketitle
16279 \else
16280 \twocolumn[\@maketitle]%
16281 \fi
16282 \else
16283 \newpage
16284 \global\@topnum\z@ % Prevents figures from going at top of page.
16285 \@maketitle
16286 \fi
16287 \thispagestyle{plain}\@thanks
16288 \endgroup
16289 \setcounter{footnote}{0}%
16290 \global\let\thanks\relax
16291 \global\let\LTRthanks\relax
16292 \global\let\RTLthanks\relax

```




```

16293 \global\let\maketitle\relax
16294 \global\let\@maketitle\relax
16295 \global\let\@thanks\@empty
16296 \global\let\@author\@empty
16297 \global\let\@date\@empty
16298 \global\let\@title\@empty
16299 \global\let\title\relax
16300 \global\let\author\relax
16301 \global\let\date\relax
16302 \global\let\and\relax
16303 }
16304 \def\@maketitle{%
16305 \newpage
16306 \null
16307 \vskip 2em%
16308 \begin{center}%
16309 \let \footnote \thanks
16310 \let \LTRfootnote \LTRthanks
16311 \let \RTLfootnote \RTLthanks
16312 {\LARGE \@title \par}%
16313 \vskip 1.5em%
16314 {\large
16315 \lineskip .5em%
16316 \begin{tabular}[t]{c}%
16317 \@author
16318 \end{tabular}\par}%
16319 \vskip 1em%
16320 {\large \@date}%
16321 \end{center}%
16322 \par
16323 \vskip 1.5em}
16324 \fi
16325 \renewcommand*\l@part[2]{%
16326 \ifnum \c@tocdepth >-2\relax
16327 \addpenalty{-\@highpenalty}%
16328 \addvspace{2.25em \@plus\p}%
16329 \setlength\@tempdima{3em}%
16330 \begingroup
16331 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16332 \parfillskip -\@pnumwidth
16333 {\leavevmode
16334 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16335 \nobreak
16336 \global\@nobreaktrue
16337 \everypar{\global\@nobreakfalse\everypar{}}%
16338 \endgroup
16339 \fi}
16340 \renewcommand*\l@chapter[2]{%
16341 \ifnum \c@tocdepth >\m@ne
16342 \addpenalty{-\@highpenalty}%

```



```

16343 \vskip 1.0em \@plus\p@
16344 \setlength\@tempdima{1.5em}%
16345 \beginingroup
16346 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16347 \parfillskip -\@pnumwidth
16348 \leavevmode \bfseries
16349 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16350 \hskip -\if@RTL\rightskip\else\leftskip\fi
16351 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16352 \penalty\@highpenalty
16353 \endgroup
16354 \fi}
16355 \renewcommand\left@footnoterule{%
16356 \kern-3\p@
16357 \hrule\@width.4\columnwidth
16358 \kern2.6\p@}
16359 \renewcommand\right@footnoterule{%
16360 \kern-3\p@
16361 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16362 \kern2.6\p@}
16363 \renewcommand\theequation
16364 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16365 \renewcommand \thefigure
16366 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16367 \renewcommand \thetable
16368 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16369 \renewcommand \thechapter {\@arabic\c@chapter}
16370 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16371 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16372 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16373 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16374 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16375 \def\@makechapterhead#1{%
16376 \vspace*{50\p@}%
16377 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16378 \ifnum \c@secnumdepth >\m@ne
16379 \huge\bfseries \@chapapp\space \thechapter
16380 \par\nobreak
16381 \vskip 20\p@
16382 \fi
16383 \interlinepenalty\@M
16384 \Huge \bfseries #1\par\nobreak
16385 \vskip 40\p@
16386 }}
16387 \def\@makeschapterhead#1{%
16388 \vspace*{50\p@}%
16389 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16390 \normalfont
16391 \interlinepenalty\@M
16392 \Huge \bfseries #1\par\nobreak

```



```

16393     \vskip 40\p@
16394   }}
16395 \renewenvironment{thebibliography}[1]
16396   {\chapter*{\bibname}%
16397     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16398     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16399     \bidi@thebibliography@font@hook%
16400     \list{\@biblabel{\@arabic\c@enumiv}}%
16401       {\settowidth\labelwidth{\@biblabel{#1}}%
16402         \leftmargin\labelwidth
16403         \advance\leftmargin\labelsep
16404         \@openbib@code
16405         \usecounter{enumiv}%
16406         \let\p@enumiv\@empty
16407         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16408     \sloppy
16409     \clubpenalty4000
16410     \@clubpenalty \clubpenalty
16411     \widowpenalty4000%
16412     \sfcode`\.\@m}
16413   {\def\@noitemerr
16414     {\@latex@warning{Empty `thebibliography' environment}}}%
16415   \endlist}

```

103 File rotating-xetex-bidi.def

```

16416 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16417 \def\end@rotfloat{%
16418   \end{minipage}\end{lrbox}%
16419   \stepcounter{r@tfl@t}%
16420   \rot@label{RF\ther@tfl@t}%
16421   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16422   \edef\@tempa{Adding sideways \c@type\space on page \R@@page\space}
16423   \rot@mess@toks\expandafter{\@tempa}
16424   \wd\rot@float@box\z@
16425   \ht\rot@float@box\z@
16426   \dp\rot@float@box\z@
16427   \vboxL to \textheight{%
16428     \setkeys{Grot}{units=360}%
16429     \if@rot@twoside
16430     \else
16431       \let\R@@page\rot@LR
16432     \fi
16433     \ifthenelse{\isodd{\R@@page}}{%
16434       \if@rot@twoside
16435         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16436       \fi
16437       \vfill
16438       \@@line{%
16439         \hskip\rotFPtop

```



```

16440     \rotatebox{90}{\box\rot@float@box}%
16441     \hskip\rotFPbot
16442   }%
16443 }{%
16444   \if@rot@twoside
16445     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16446   \fi
16447   \@@line{%
16448     \hskip\rotFPbot
16449     \rotatebox{-90}{\box\rot@float@box}%
16450     \hskip\rotFPtop
16451   }%
16452   \vfill
16453 }%
16454   \rot@message{\the\rot@mess@toks}
16455 }%
16456 \end@float
16457 }
16458 \let\endsidewaysfigure\end@rotfloat
16459 \let\endsidewaystable\end@rotfloat
16460 \def\end@rotdblfloat{%
16461   \end{minipage}\end{lrbox}%
16462   \stepcounter{r@tfl@t}%
16463   \rot@label{RF\ther@tfl@t}%
16464   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16465   \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
16466   \rot@mess@toks\expandafter{\@tempa}
16467   \@tempdima\ht\rot@float@box
16468   \advance\@tempdima by \dp\rot@float@box
16469   \wd\rot@float@box\z@
16470   \ht\rot@float@box\z@
16471   \dp\rot@float@box\z@
16472   \vboxL to \textheight{%
16473     \setkeys{Grot}{units=360}%
16474     \if@rot@twoside
16475     \else
16476       \let\R@@page\rot@LR
16477     \fi
16478     \ifthenelse{\isodd{\R@@page}}{%
16479       \ifrot@messages
16480         \if@rot@twoside
16481         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16482       \fi
16483       \fi
16484       \vfill
16485       \@@line{%
16486         \hskip\rotFPtop
16487         \rotatebox{90}{\box\rot@float@box}%
16488         \hskip\rotFPbot
16489       }%

```



```

16490 }{%
16491   \ifrot@messages
16492     \ifrot@twoside
16493   \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16494 \fi
16495   \fi%
16496   \@@line{%
16497     \hskip\rotFPbot
16498     \rotatebox{-90}{\box\rot@float@box}%
16499     \hskip\rotFPtop
16500   }%
16501   \vfill
16502 }%
16503   \rot@message{\the\rot@mess@toks}%
16504 }%
16505 \end@dblfloat
16506 }
16507 \def\turn#1{%
16508   \Grot@setangle{#1}%
16509   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16510 \def\endturn{%
16511   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16512   \unskip\color@endbox
16513   \Grot@x\z@
16514   \Grot@y\z@
16515   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16516 }
16517 \def\rotate#1{%
16518   \Grot@setangle{#1}%
16519   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16520 \def\endrotate{%
16521   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16522   \unskip\color@endbox
16523   \Grot@x\z@
16524   \Grot@y\z@
16525   \wd0\z@\dp0\z@\ht0\z@
16526   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16527 }
16528 \def\turnbox#1#2{%
16529   \Grot@setangle{#1}%
16530   \setbox\z@\hbox{{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}}
16531   \Grot@x\z@\Grot@y\z@
16532   \wd0\z@\dp0\z@\ht0\z@
16533   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16534 }
16535 \def\sideways{%
16536   \Grot@setangle{90}%
16537   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16538 \def\endsideways{%
16539   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi

```



```

16540 \unskip\color@endbox
16541 \Grot@x\z@
16542 \Grot@y\z@
16543 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16544 }

```

104 File scrartcl-xetex-bidi.def

```

16545 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16546 \newcommand{\scr@saved@LTRfootnotetext}{}
16547 \newcommand{\scr@saved@RTLfootnotetext}{}
16548 \let\scr@saved@footnotetext\@footnotetext
16549 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16550 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16551 \renewcommand{\@footnotetext}[1]{%
16552   \scr@saved@footnotetext{#1}%
16553   \csname FN@mf@prepare\endcsname
16554 }
16555 \renewcommand{\@LTRfootnotetext}[1]{%
16556   \scr@saved@LTRfootnotetext{#1}%
16557   \csname FN@mf@prepare\endcsname
16558 }
16559 \renewcommand{\@RTLfootnotetext}[1]{%
16560   \scr@saved@RTLfootnotetext{#1}%
16561   \csname FN@mf@prepare\endcsname
16562 }
16563 \renewcommand\deffootnote[4][]{%
16564   \long\def\@makefnmark##1{%
16565     \setlength{\@tempdimc}{#3}%
16566     \def\@tempa{#1}\ifx\@tempa\@empty
16567       \setpar{\@par
16568         \@tempdima = \hsize
16569         \addtolength{\@tempdima}{-#2}%
16570         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16571     \else
16572       \addtolength{\@tempdimc}{#2}%
16573       \addtolength{\@tempdimc}{-#1}%
16574       \setpar{\@par
16575         \@tempdima = \hsize
16576         \addtolength{\@tempdima}{-#1}%
16577         \@tempdimb = \hsize
16578         \addtolength{\@tempdimb}{-#2}%
16579         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
16580       }%
16581     \fi
16582     \par
16583     \parindent\@tempdimc\noindent
16584     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16585   }%
16586   \def\@makefnmark{\hbox{\ftn@font{#4}}}%

```



```

16587 }
16588 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16589 \renewcommand*\left@footnoterule{%
16590   \normalsize\ftn@rule@test@values
16591   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16592   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16593   {\usekomafont{footnoterule}{%
16594     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16595   \kern 2.6\p@}
16596 \renewcommand*\right@footnoterule{%
16597   \normalsize\ftn@rule@test@values
16598   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16599   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16600   {\usekomafont{footnoterule}{%
16601     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16602     \kern 2.6\p@}
16603 \renewcommand*\maketitle[1][1]{%
16604   \if@titlepage
16605     \begin{titlepage}
16606       \setcounter{page}{%
16607         #1%
16608       }%
16609       \let\footnotesize\small
16610       \let\right@footnoterule\relax
16611       \let\left@footnoterule\relax
16612       \let\textwidth@footnoterule\relax
16613       \let\footnote\thanks
16614       \let\LTRfootnote\LTRthanks
16615       \let\RTLfootnote\RTLthanks
16616       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16617       \let\@oldmakefnmark\@makefnmark
16618       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16619       \ifx\@extratitle\@empty \else
16620         \noindent\@extratitle\next@tpage\cleardoubleemptypage
16621         \thispagestyle{empty}%
16622       \fi
16623       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16624       \ifx\@titlehead\@empty \else
16625         \begin{minipage}[t]{\textwidth}%
16626           \@titlehead
16627         \end{minipage}\par
16628       \fi
16629       \null\vfill
16630       \begin{center}
16631         \ifx\@subject\@empty \else
16632           {\subject@font \@subject \par}%
16633           \vskip 3em
16634         \fi
16635         {\titlefont\huge \@title\par}%
16636         \vskip 1em

```



```

16637     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16638     \vskip 2em
16639     {\Large \lineskip 0.75em
16640     \begin{tabular}[t]{c}
16641       \@author
16642     \end{tabular}\par
16643     }%
16644     \vskip 1.5em
16645     {\Large \@date \par}%
16646     \vskip \z@ \@plus3fill
16647     {\Large \@publishers \par}%
16648     \vskip 3em
16649     \end{center}\par
16650     \@thanks
16651     \vfill\null
16652     \if@twoside\next@tpage
16653       \begin{minipage}[t]{\textwidth}
16654         \@uppertitleback
16655       \end{minipage}\par
16656       \vfill
16657       \begin{minipage}[b]{\textwidth}
16658         \@lowertitleback
16659       \end{minipage}
16660     \fi
16661     \ifx\@dedication\@empty \else
16662       \next@tpage\null\vfill
16663       {\centering \Large \@dedication \par}%
16664       \vskip \z@ \@plus3fill
16665       \if@twoside \next@tpage\cleardoubleemptypage \fi
16666     \fi
16667     \end{titlepage}
16668   \else
16669     \par
16670     \@tempcnta=
16671     #1%
16672     \relax\ifnum\@tempcnta=1\else
16673       \ClassWarning{\KOMAClassName}{%
16674         Optional argument of \string\maketitle\space ignored
16675         at\MessageBreak
16676         notitlepage-mode%
16677       }%
16678     \fi
16679     \begingroup
16680       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16681       \let\@oldmakefnmark\@makefnmark
16682       \renewcommand*\@makefnmark{\@rwap\@oldmakefnmark}
16683       \if@twocolumn
16684         \ifnum \col@number=\@ne
16685           \@maketitle
16686         \else

```




```

16687         \twocolumn[\@maketitle]%
16688     \fi
16689 \else
16690     \newpage
16691     \global\@topnum\z@
16692     \@maketitle
16693 \fi
16694 \thispagestyle{\titlepagestyle}\@thanks
16695 \endgroup
16696 \fi
16697 \setcounter{footnote}{0}%
16698 \let\thanks\relax
16699 \let\LTRthanks\relax
16700 \let\RTLthanks\relax
16701 \let\maketitle\relax
16702 \let\@maketitle\relax
16703 \global\let\@thanks\@empty
16704 \global\let\@author\@empty
16705 \global\let\@date\@empty
16706 \global\let\@title\@empty
16707 \global\let\@subtitle\@empty
16708 \global\let\@extratitle\@empty
16709 \global\let\@titlehead\@empty
16710 \global\let\@subject\@empty
16711 \global\let\@publishers\@empty
16712 \global\let\@uppertitleback\@empty
16713 \global\let\@lowertitleback\@empty
16714 \global\let\@dedication\@empty
16715 \global\let\author\relax
16716 \global\let\title\relax
16717 \global\let\extratitle\relax
16718 \global\let\titlehead\relax
16719 \global\let\subject\relax
16720 \global\let\publishers\relax
16721 \global\let\uppertitleback\relax
16722 \global\let\lowertitleback\relax
16723 \global\let\dedication\relax
16724 \global\let\date\relax
16725 \global\let\and\relax
16726 }%
16727 \renewcommand*{\@maketitle}{%
16728     \clearpage
16729     \let\footnote\thanks
16730     \let\LTRfootnote\LTRthanks
16731     \let\RTLfootnote\RTLthanks
16732     \ifx\@extratitle\@empty \else
16733         \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16734     \fi
16735     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
16736     \ifx\@titlehead\@empty \else

```



```

16737 \begin{minipage}[t]{\textwidth}
16738 \@titlehead
16739 \end{minipage}\par
16740 \fi
16741 \null
16742 \vskip 2em%
16743 \begin{center}%
16744 \ifx\@subject\@empty \else
16745 {\subject@font \@subject \par}
16746 \vskip 1.5em
16747 \fi
16748 {\titlefont\huge \@title \par}%
16749 \vskip .5em
16750 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16751 \vskip 1em
16752 {\Large
16753 \lineskip .5em%
16754 \begin{tabular}[t]{c}
16755 \@author
16756 \end{tabular}\par
16757 }%
16758 \vskip 1em%
16759 {\Large \@date \par}%
16760 \vskip \z@ \@plus 1em
16761 {\Large \@publishers \par}
16762 \ifx\@dedication\@empty \else
16763 \vskip 2em
16764 {\Large \@dedication \par}
16765 \fi
16766 \end{center}%
16767 \par
16768 \vskip 2em
16769 }%
16770 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16771 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16772 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16773 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16774 \renewcommand*{\thesubsubsection}{%
16775 \thesubsection\@SepMark\@arabic\c@subsubsection
16776 }
16777 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16778 \renewcommand*{\thesubparagraph}{%
16779 \theparagraph\@SepMark\@arabic\c@subparagraph
16780 }
16781 \renewenvironment{thebibliography}[1]{%
16782 \if@bib@break@
16783 \bib@beginhook
16784 \else
16785 \bib@heading
16786 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else

```



```

16787         \noindent\bibpreamble\par\nobreak
16788     \fi\fi
16789     \bib@beginhook
16790     \bib@before@hook
16791 \fi
16792 \renewcommand{\BreakBibliography}[1]{%
16793     \@bib@break
16794     \end{thebibliography}%
16795     \begingroup ##1\endgroup
16796     \begin{thebibliography}{#1}
16797 }%
16798 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16799 \bidi@thebibliography@font@hook%
16800 \list{%
16801     \@biblabel{\@arabic\c@enumiv}%
16802 }{%
16803     \settowidth\labelwidth{\@biblabel{#1}}%
16804     \leftmargin\labelwidth
16805     \advance\leftmargin\labelsep
16806     \@openbib@code
16807     \if@bib@break@
16808         \edef\@tempa{%
16809             \noexpand\usecounter{enumiv}%
16810             \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16811         }\@tempa
16812         \no@bib@break
16813     \else
16814         \usecounter{enumiv}%
16815     \fi
16816     \let\p@enumiv\@empty
16817     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16818 }%
16819 \sloppy\clubpenalty4000 \widowpenalty4000
16820 \sfcode`\.=\@m
16821 }{%
16822 \if@bib@break@
16823     \def\@noitemerr{%
16824         \@latex@warning{%
16825             \string\BreakBibliography\space at begin of `thebibliography'
16826             environment\MessageBreak
16827             or following \string\BreakBibliography}%
16828     }%
16829 \else
16830     \def\@noitemerr{%
16831         \@latex@warning{%
16832             Empty `thebibliography' environment or
16833             \string\BreakBibliography\MessageBreak
16834             before end of `thebibliography' environment}%
16835     }%
16836 \fi

```



```

16837 \endlist
16838 \if@bib@break@
16839 \else
16840 \bib@after@hook
16841 \let\bib@before@hook\@empty
16842 \let\bib@after@hook\@empty
16843 \fi
16844 \bib@endhook
16845 }
16846 \renewcommand*\left@footnoterule{%
16847 \kern-3\p@
16848 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16849 \hrule\@width.4\columnwidth
16850 \kern 2.6\p@}
16851 \renewcommand*\right@footnoterule{%
16852 \kern-3\p@
16853 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16854 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16855 \kern2.6\p@}
16856 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
16857 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
16858 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
16859 \renewcommand\marginline[1]{%
16860 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16861 }
16862 \renewcommand{\@makecaption}[3]{%
16863 \cap@margin
16864 \ifonelinecaptions
16865 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16866 \let\scr@tmp@footnotetext=\@footnotetext
16867 \let\@footnotetext=\@gobble
16868 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16869 \let\@LTRfootnotetext=\@gobble
16870 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16871 \let\@RTLfootnotetext=\@gobble
16872 \sbox\@tempboxa{%
16873 {\capfont{\strut\ignorespaces
16874 #1{\caplabelfont{#2\captionformat}}}%
16875 #3\unskip\strut}}%
16876 }%
16877 \let\@footnotetext=\scr@tmp@footnotetext
16878 \let\scr@tmp@footnotetext=\undefined
16879 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16880 \let\scr@tmp@LTRfootnotetext=\undefined
16881 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16882 \let\scr@tmp@RTLfootnotetext=\undefined
16883 \setcounter{footnote}{\@tempcntb}%
16884 \setcounter{mpfootnote}{\@tempcnta}%
16885 \else
16886 \sbox\@tempboxa{\hspace*{2\cap@width}}%

```



```

16887 \fi
16888 \beginingroup%
16889 \setlength{\@tempdima}{\cap@width}%
16890 \ifdim \wd\@tempboxa >\@tempdima
16891 \hb@xt@\hsize{%
16892 \setbox\@tempboxa\vbox{\hsize=\cap@width
16893 \ifdofullc@p
16894 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16895 #1{\caplabelfont{#2\captionformat}}}}}%
16896 {#3\unskip\strut\par}}}%
16897 \else%
16898 \ifdim\cap@indent<\z@
16899 {\capfont{\strut\ignorespaces
16900 #1{\caplabelfont{#2\captionformat\par}}}%
16901 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16902 \else%
16903 \if@capbreak
16904 {\capfont{\strut\ignorespaces
16905 #1{\caplabelfont{#2\captionformat\par}}}%
16906 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16907 \else
16908 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16909 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16910 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16911 \fi
16912 \fi
16913 \fi
16914 }%
16915 \setlength{\@tempdima}{\ht\@tempboxa}%
16916 \addtolength{\@tempdima}{\dp\@tempboxa}%
16917 \addtolength{\@tempdima}{-\ht\strutbox}%
16918 \ht\@tempboxa\ht\strutbox
16919 \dp\@tempboxa\@tempdima
16920 \strut\cap@left
16921 \box\@tempboxa
16922 \cap@right\strut
16923 }%
16924 \else
16925 \global \@minipagefalse
16926 \sbox\@tempboxa{%
16927 {\capfont{\scr@smashdp{\strut\ignorespaces
16928 #1{\caplabelfont{#2\captionformat}}}}}%
16929 #3}}%
16930 }%
16931 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
16932 \fi
16933 \endgroup
16934 }
16935 \renewcommand{\@makecaption}[2]{%
16936 \if@captionabove

```



```

16937 \vskip\belowcaptionskip
16938 \else
16939 \vskip\abovecaptionskip
16940 \fi
16941 @@makecaption\@firstofone{#1}{#2}%
16942 \if@captionabove
16943 \vskip\abovecaptionskip
16944 \else
16945 \vskip\belowcaptionskip
16946 \fi
16947 }
16948 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16949 \ifpackageloaded{caption2}{\@komalongtablefalse
16950 \scr@caption@before@longtable@warning{caption2}%
16951 }{}%
16952 \if@komalongtable
16953 \renewcommand{\LT@makecaption}[3]{%
16954 \noalign{%
16955 \if@captionabove
16956 \vskip\belowcaptionskip
16957 \else
16958 \vskip\abovecaptionskip
16959 \fi
16960 }%
16961 \LT@mcol\LT@cols c{%
16962 \hbox to\z@{\hss\parbox[t]{\linewidth{%
16963 \@@makecaption{#1}{#2}{#3}%
16964 \endgraf
16965 \if@captionabove
16966 \vskip\abovecaptionskip
16967 \else
16968 \vskip\belowcaptionskip
16969 \fi
16970 }%
16971 \hss
16972 }%
16973 }%
16974 }%
16975 \renewcommand*{\scr@LT@array}{}%
16976 \let\scr@LT@array=\LT@array
16977 \renewcommand*{\LT@array}{%
16978 \let\scr@caption=\LT@caption
16979 \def\captionabove{\noalign{\global\@captionabovetrue}%
16980 \scr@caption}%
16981 \def\captionbelow{\noalign{\global\@captionabovetrue}%
16982 \scr@caption}%
16983 \if@tablecaptionabove
16984 \let\LT@caption=\captionabove
16985 \else
16986 \let\LT@caption=\captionbelow

```



```

16987 \fi
16988 \scr@LT@array
16989 }%
16990 \ClassInfo{\KOMAClassName}{%
16991 longtable captions redefined%
16992 }%
16993 \fi
16994 }
16995
16996 \CloneTOCEntryStyle{tocline}{part}
16997 \TOCEntryStyleStartInitCode{part}{%
16998 \expandafter\renewcommand%
16999 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17000 \expandafter\renewcommand%
17001 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17002 \expandafter\renewcommand%
17003 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17004 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17005 \expandafter\renewcommand\expandafter*%
17006 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17007 }
17008
17009 \CloneTOCEntryStyle{tocline}{section}
17010 \TOCEntryStyleStartInitCode{section}{%
17011 \expandafter\renewcommand%
17012 \csname scr@tso@#1@linefill\endcsname{%
17013 \if@sectionentrywithdots
17014 \TOCLineLeaderFill\relax
17015 \else
17016 \hfill
17017 \fi
17018 }%
17019 % F^~fcr die Eintr~e4ge die Schrift von Element sectionentry verwenden.
17020 \expandafter\renewcommand%
17021 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
17022 \expandafter\renewcommand%
17023 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
17024 \expandafter\renewcommand\expandafter*%
17025 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17026 }
17027
17028 \CloneTOCEntryStyle{tocline}{subsection}
17029 \TOCEntryStyleStartInitCode{subsection}{%
17030 \expandafter\renewcommand%
17031 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17032 }
17033
17034 \CloneTOCEntryStyle{subsection}{default}
17035
17036 \DeclareSectionCommand[%

```



```

17037 style=part,%
17038 level=\z@,%
17039 tocstyle=part,%
17040 toplevel=\m@ne,%
17041 tocindent=\z@,%
17042 tocnumwidth=2em%
17043 ]{part}
17044 \DeclareSectionCommand[%
17045 style=section,%
17046 level=1,%
17047 indent=\z@,%
17048 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17049 afterskip=2.3ex \@plus .2ex,%
17050 tocstyle=section,%
17051 tocindent=0pt,%
17052 tocnumwidth=1.5em%
17053 ]{section}
17054 \DeclareSectionCommand[%
17055 style=section,%
17056 level=2,%
17057 indent=\z@,%
17058 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17059 afterskip=1.5ex \@plus .2ex,%
17060 tocstyle=subsection,%
17061 tocindent=1.5em,%
17062 tocnumwidth=2.3em%
17063 ]{subsection}
17064 \DeclareSectionCommand[%
17065 style=section,%
17066 level=3,%
17067 indent=\z@,%
17068 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17069 afterskip=1.5ex \@plus .2ex,%
17070 tocstyle=subsection,%
17071 tocindent=3.8em,%
17072 tocnumwidth=3.2em%
17073 ]{subsubsection}
17074 \DeclareSectionCommand[%
17075 style=section,%
17076 level=4,%
17077 indent=\z@,%
17078 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17079 afterskip=-1em,%
17080 tocstyle=subsection,%
17081 tocindent=7.0em,%
17082 tocnumwidth=4.1em%
17083 ]{paragraph}
17084 \DeclareSectionCommand[%
17085 style=section,%
17086 level=5,%

```




```

17087 indent=\scr@parindent,%
17088 beforekip=3.25ex \@plus1ex \@minus .2ex,%
17089 afterskip=-1em,%
17090 tocstyle=subsection,%
17091 tocindent=10em,%
17092 tocnumwidth=5em%
17093 ]{subparagraph}

```

105 File scrbook-xetex-bidi.def

```

17094 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for X
17095 \newcommand{\scr@saved@LTRfootnotetext}{}
17096 \newcommand{\scr@saved@RTLfootnotetext}{}
17097 \let\scr@saved@footnotetext\@footnotetext
17098 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17099 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17100 \renewcommand{\@footnotetext}[1]{%
17101   \scr@saved@footnotetext{#1}%
17102   \csname FN@mf@prepare\endcsname
17103 }
17104 \renewcommand{\@LTRfootnotetext}[1]{%
17105   \scr@saved@LTRfootnotetext{#1}%
17106   \csname FN@mf@prepare\endcsname
17107 }
17108 \renewcommand{\@RTLfootnotetext}[1]{%
17109   \scr@saved@RTLfootnotetext{#1}%
17110   \csname FN@mf@prepare\endcsname
17111 }
17112 \renewcommand\deffootnote[4][1]{%
17113   \long\def\@makefnmark##1{%
17114     \setlength{\@tempdimc}{#3}%
17115     \def\@tempa{#1}\ifx\@tempa\@empty
17116       \setpar{\@par
17117         \@tempdima = \hsize
17118         \addtolength{\@tempdima}{-#2}%
17119         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17120       \else
17121         \addtolength{\@tempdimc}{#2}%
17122         \addtolength{\@tempdimc}{-#1}%
17123         \setpar{\@par
17124           \@tempdima = \hsize
17125           \addtolength{\@tempdima}{-#1}%
17126           \@tempdimb = \hsize
17127           \addtolength{\@tempdimb}{-#2}%
17128           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17129         }%
17130       \fi
17131       \par
17132       \parindent\@tempdimc\noindent
17133       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%

```



```

17134 }%
17135 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
17136 }
17137 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17138 \renewcommand*\left@footnoterule{%
17139   \normalsize\ftn@rule@test@values
17140   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17141   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17142   {\usekomafont{footnoterule}{%
17143     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}}%
17144   \kern 2.6\p@}
17145 \renewcommand*\right@footnoterule{%
17146   \normalsize\ftn@rule@test@values
17147   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17148   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17149   {\usekomafont{footnoterule}{%
17150     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17151     \kern 2.6\p@}
17152 \renewcommand*\maketitle[1][1]{%
17153   \if@titlepage
17154     \begin{titlepage}
17155       \setcounter{page}{%
17156         #1%
17157       }%
17158       \let\footnotesize\small
17159       \let\right@footnoterule\relax
17160       \let\left@footnoterule\relax
17161       \let\textwidth@footnoterule\relax
17162       \let\footnote\thanks
17163       \let\LTRfootnote\LTRthanks
17164       \let\RTLfootnote\RTLthanks
17165       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17166       \let\@oldmakefnmark\@makefnmark
17167       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17168       \ifx\@extratitle\@empty \else
17169         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17170         \thispagestyle{empty}%
17171       \fi
17172       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17173       \ifx\@titlehead\@empty \else
17174         \begin{minipage}[t]{\textwidth}%
17175           \@titlehead
17176         \end{minipage}\par
17177       \fi
17178       \null\vfill
17179       \begin{center}
17180         \ifx\@subject\@empty \else
17181           {\subject@font \@subject \par}%
17182         \vskip 3em
17183       \end{center}

```



```

17184      {\titlefont\huge \@title\par}%
17185      \vskip 1em
17186      {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17187      \vskip 2em
17188      {\Large \lineskip 0.75em
17189      \begin{tabular}[t]{c}
17190      \@author
17191      \end{tabular}\par
17192      }%
17193      \vskip 1.5em
17194      {\Large \@date \par}%
17195      \vskip \z@ \@plus3fill
17196      {\Large \@publishers \par}%
17197      \vskip 3em
17198      \end{center}\par
17199      \@thanks
17200      \vfill\null
17201      \if@twoside\next@tpage
17202      \begin{minipage}[t]{\textwidth}
17203      \@uppertitleback
17204      \end{minipage}\par
17205      \vfill
17206      \begin{minipage}[b]{\textwidth}
17207      \@lowertitleback
17208      \end{minipage}
17209      \fi
17210      \ifx\@dedication\@empty \else
17211      \next@tpage\null\vfill
17212      {\centering \Large \@dedication \par}%
17213      \vskip \z@ \@plus3fill
17214      \if@twoside \next@tpage\cleardoubleemptypage \fi
17215      \fi
17216      \end{titlepage}
17217      \else
17218      \par
17219      \@tempcnta=%
17220      #1%
17221      \relax\ifnum\@tempcnta=1\else
17222      \ClassWarning{KOMAClassName}{%
17223      Optional argument of \string\maketitle\space ignored
17224      at\MessageBreak
17225      notitlepage-mode%
17226      }%
17227      \fi
17228      \begingroup
17229      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17230      \let\@oldmakefnmark\@makefnmark
17231      \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17232      \if@twocolumn
17233      \ifnum \col@number=\@ne

```



```

17234         \@maketitle
17235     \else
17236         \twocolumn[\@maketitle]%
17237     \fi
17238 \else
17239     \newpage
17240     \global\@topnum\z@
17241     \@maketitle
17242 \fi
17243 \thispagestyle{\titlepagestyle}\@thanks
17244 \endgroup
17245 \fi
17246 \setcounter{footnote}{0}%
17247 \let\thanks\relax
17248 \let\LTRthanks\relax
17249 \let\RTLthanks\relax
17250 \let\maketitle\relax
17251 \let\@maketitle\relax
17252 \global\let\@thanks\@empty
17253 \global\let\@author\@empty
17254 \global\let\@date\@empty
17255 \global\let\@title\@empty
17256 \global\let\@subtitle\@empty
17257 \global\let\@extratitle\@empty
17258 \global\let\@titlehead\@empty
17259 \global\let\@subject\@empty
17260 \global\let\@publishers\@empty
17261 \global\let\@uppertitleback\@empty
17262 \global\let\@lowertitleback\@empty
17263 \global\let\@dedication\@empty
17264 \global\let\author\relax
17265 \global\let\title\relax
17266 \global\let\extratitle\relax
17267 \global\let\titlehead\relax
17268 \global\let\subject\relax
17269 \global\let\publishers\relax
17270 \global\let\uppertitleback\relax
17271 \global\let\lowertitleback\relax
17272 \global\let\dedication\relax
17273 \global\let\date\relax
17274 \global\let\and\relax
17275 }%
17276 \renewcommand*{\@maketitle}{%
17277     \clearpage
17278     \let\footnote\thanks
17279     \let\LTRfootnote\LTRthanks
17280     \let\RTLfootnote\RTLthanks
17281     \ifx\@extratitle\@empty \else
17282         \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17283 \fi

```



```

17284 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
17285 \ifx\@titlehead\@empty \else
17286 \begin{minipage}[t]{\textwidth}
17287 \@titlehead
17288 \end{minipage}\par
17289 \fi
17290 \null
17291 \vskip 2em%
17292 \begin{center}%
17293 \ifx\@subject\@empty \else
17294 {\subject@font \@subject \par}
17295 \vskip 1.5em
17296 \fi
17297 {\titlefont\huge \@title \par}%
17298 \vskip .5em
17299 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17300 \vskip 1em
17301 {\Large
17302 \lineskip .5em%
17303 \begin{tabular}[t]{c}
17304 \@author
17305 \end{tabular}\par
17306 }%
17307 \vskip 1em%
17308 {\Large \@date \par}%
17309 \vskip \z@ \@plus 1em
17310 {\Large \@publishers \par}
17311 \ifx\@dedication\@empty \else
17312 \vskip 2em
17313 {\Large \@dedication \par}
17314 \fi
17315 \end{center}%
17316 \par
17317 \vskip 2em
17318 }%
17319 \def\raggedsection{\ifRTL\raggedleft\else\raggedright\fi}
17320 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17321 \renewcommand*\thesection{%
17322 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17323 \if@mainmatter\thechapter\@SepMark\fi
17324 \else
17325 \thechapter\@SepMark%
17326 \fi
17327 \@arabic\c@section
17328 }
17329 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17330 \renewcommand*{\thesubsubsection}{%
17331 \thesubsection\@SepMark\@arabic\c@subsubsection
17332 }
17333 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}

```



```

17334 \renewcommand*{\thesubparagraph}{%
17335   \theparagraph\@SepMark\@arabic\c@subparagraph
17336 }
17337 \renewcommand*\thefigure{%
17338   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17339     \if@mainmatter\thechapter\@SepMark\fi
17340   \else
17341     \thechapter\@SepMark%
17342   \fi
17343   \@arabic\c@figure
17344 }
17345 \renewcommand*\thetable{%
17346   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17347     \if@mainmatter\thechapter\@SepMark\fi
17348   \else
17349     \thechapter\@SepMark%
17350   \fi
17351   \@arabic\c@table
17352 }
17353 \renewcommand*\theequation{%
17354   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17355     \if@mainmatter\thechapter\@SepMark\fi
17356   \else
17357     \thechapter\@SepMark%
17358   \fi
17359   \@arabic\c@equation
17360 }
17361 \renewenvironment{thebibliography}[1]{%
17362   \if@bib@break@
17363     \bib@beginhook
17364   \else
17365     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17366       \setchapterpreamble{\bibpreamble}%
17367     \fi\fi
17368     \bib@heading
17369     \bib@beginhook
17370     \bib@before@hook
17371   \fi
17372   \renewcommand{\BreakBibliography}[1]{%
17373     \@bib@break
17374     \end{thebibliography}%
17375     \begingroup ##1\endgroup
17376     \begin{thebibliography}{#1}
17377   }%
17378   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17379   \bidi@thebibliography@font@hook%
17380   \list{%
17381     \@biblabel{\@arabic\c@enumiv}%
17382   }{%
17383     \settowidth\labelwidth{\@biblabel{#1}}%

```



```

17384 \leftmargin\labelwidth
17385 \advance\leftmargin\labelsep
17386 \@openbib@code
17387 \if@bib@break@
17388 \edef\@tempa{%
17389 \noexpand\usecounter{enumiv}}%
17390 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17391 }\@tempa
17392 \no@bib@break
17393 \else
17394 \usecounter{enumiv}%
17395 \fi
17396 \let\p@enumiv\@empty
17397 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17398 }%
17399 \sloppy\clubpenalty4000 \widowpenalty4000
17400 \sfcode`\.=\@m
17401 }{%
17402 \if@bib@break@
17403 \def\@noitemerr{%
17404 \@latex@warning{%
17405 \string\BreakBibliography\space at begin of `thebibliography'
17406 environment\MessageBreak
17407 or following \string\BreakBibliography}%
17408 }%
17409 \else
17410 \def\@noitemerr{%
17411 \@latex@warning{%
17412 Empty `thebibliography' environment or
17413 \string\BreakBibliography\MessageBreak
17414 before end of `thebibliography' environment}%
17415 }%
17416 \fi
17417 \endlist
17418 \if@bib@break@
17419 \else
17420 \bib@after@hook
17421 \let\bib@before@hook\@empty
17422 \let\bib@after@hook\@empty
17423 \fi
17424 \bib@endhook
17425 }
17426 \renewcommand*\left@footnoterule{%
17427 \kern-3\p@
17428 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17429 \hrule\@width.4\columnwidth
17430 \kern 2.6\p@}
17431 \renewcommand*\right@footnoterule{%
17432 \kern-3\p@
17433 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi

```



```

17434 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17435 \kern2.6\p@}
17436 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17437 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17438 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17439 \renewcommand\marginline[1]{%
17440 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17441 }
17442 \renewcommand{\@@makecaption}[3]{%
17443 \cap@margin
17444 \ifonelinecaptions
17445 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17446 \let\scr@tmp@footnotetext=\@footnotetext
17447 \let\@footnotetext=\@gobble
17448 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17449 \let\@LTRfootnotetext=\@gobble
17450 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17451 \let\@RTLfootnotetext=\@gobble
17452 \sbox\@tempboxa{%
17453 {\capfont{\strut\ignorespaces
17454 #1{\caplabelfont{#2\captionformat}}}%
17455 #3\unskip\strut}}%
17456 }%
17457 \let\@footnotetext=\scr@tmp@footnotetext
17458 \let\scr@tmp@footnotetext=\undefined
17459 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17460 \let\scr@tmp@LTRfootnotetext=\undefined
17461 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17462 \let\scr@tmp@RTLfootnotetext=\undefined
17463 \setcounter{footnote}{\@tempcntb}%
17464 \setcounter{mpfootnote}{\@tempcnta}%
17465 \else
17466 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17467 \fi
17468 \begingroup%
17469 \setlength{\@tempdima}{\cap@width}%
17470 \ifdim \wd\@tempboxa >\@tempdima
17471 \hb@xt@\hsize{%
17472 \setbox\@tempboxa\vbox{\hsize=\cap@width
17473 \ifdofullc@p
17474 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17475 #1{\caplabelfont{#2\captionformat}}}}}%
17476 {#3\unskip\strut\par}}}%
17477 \else%
17478 \ifdim\cap@indent<\z@
17479 {\capfont{\strut\ignorespaces
17480 #1{\caplabelfont{#2\captionformat\par}}}%
17481 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17482 \else%
17483 \if@capbreak

```




```

17484         {\capfont{\strut\ignorespaces
17485         #1{\caplabelfont{#2\captionformat\par}}}%
17486         \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17487     \else
17488         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17489         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17490         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17491     \fi
17492 \fi
17493 \fi
17494 }%
17495 \setlength{\@tempdima}{\ht\@tempboxa}%
17496 \addtolength{\@tempdima}{\dp\@tempboxa}%
17497 \addtolength{\@tempdima}{-\ht\strutbox}%
17498 \ht\@tempboxa\ht\strutbox
17499 \dp\@tempboxa\@tempdima
17500 \strut\cap@left
17501 \box\@tempboxa
17502 \cap@right\strut
17503 }%
17504 \else
17505     \global \@minipagefalse
17506     \sbox\@tempboxa{%
17507         {\capfont{\scr@smashdp{\strut\ignorespaces
17508         #1{\caplabelfont{#2\captionformat}}}}}%
17509         #3}%
17510     }%
17511     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap@right}}}%
17512 \fi
17513 \endgroup
17514 }
17515 \renewcommand{\@makecaption}[2]{%
17516     \if@captionabove
17517         \vskip\belowcaptionskip
17518     \else
17519         \vskip\abovecaptionskip
17520     \fi
17521     \@@makecaption\@firstofone{#1}{#2}%
17522     \if@captionabove
17523         \vskip\abovecaptionskip
17524     \else
17525         \vskip\belowcaptionskip
17526     \fi
17527 }
17528 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17529     \@ifpackageloaded{caption2}{\@komalongtablefalse
17530     \scr@caption@before@longtable@warning{caption2}%
17531     }{}%
17532     \if@komalongtable
17533         \renewcommand{\LT@makecaption}[3]{%

```



```

17534 \noalign{%
17535 \if@captionabove
17536 \vskip\belowcaptionskip
17537 \else
17538 \vskip\abovecaptionskip
17539 \fi
17540 }%
17541 \LT@mcol\LT@cols c{%
17542 \hbox to\z@{\hss\parbox[t]\linewidth{%
17543 \@makecaption{#1}{#2}{#3}%
17544 \endgraf
17545 \if@captionabove
17546 \vskip\abovecaptionskip
17547 \else
17548 \vskip\belowcaptionskip
17549 \fi
17550 }%
17551 \hss
17552 }%
17553 }%
17554 }%
17555 \renewcommand*{\scr@LT@array}{}%
17556 \let\scr@LT@array=\LT@array
17557 \renewcommand*{\LT@array}{%
17558 \let\scr@caption=\LT@caption
17559 \def\captionabove{\noalign{\global\@captionabovetrue}%
17560 \scr@caption}%
17561 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17562 \scr@caption}%
17563 \if@tablecaptionabove
17564 \let\LT@caption=\captionabove
17565 \else
17566 \let\LT@caption=\captionbelow
17567 \fi
17568 \scr@LT@array
17569 }%
17570 \ClassInfo{\KOMAClassName}{%
17571 longtable captions redefined%
17572 }%
17573 \fi
17574 }
17575
17576 \CloneTOCEntryStyle{tocline}{part}
17577 \TOCEntryStyleStartInitCode{part}{%
17578 \expandafter\renewcommand%
17579 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17580 \expandafter\renewcommand%
17581 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17582 \expandafter\renewcommand%
17583 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%

```



```

17584 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17585 \expandafter\renewcommand\expandafter*%
17586 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17587 }
17588
17589 \CloneTOCEntryStyle{tocline}{chapter}
17590 \TOCEntryStyleStartInitCode{chapter}{%
17591 \expandafter\renewcommand%
17592 \csname scr@tso@#1@linefill\endcsname{%
17593 \if@chapterentrywithdots
17594 \TOCLineLeaderFill\relax
17595 \else
17596 \hfill
17597 \fi
17598 }%
17599 \expandafter\renewcommand%
17600 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
17601 \expandafter\renewcommand%
17602 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17603 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17604 \expandafter\renewcommand\expandafter*%
17605 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17606 }
17607
17608 \CloneTOCEntryStyle{tocline}{section}
17609 \TOCEntryStyleStartInitCode{section}{%
17610 \expandafter\renewcommand%
17611 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17612 }
17613
17614 \CloneTOCEntryStyle{section}{default}
17615
17616 \DeclareSectionCommand[%
17617 style=part,%
17618 level=\m@ne,%
17619 pagestyle=plain,%
17620 tocstyle=part,%
17621 toplevel=\m@ne,%
17622 tocindent=\z@,%
17623 tocnumwidth=2em%
17624 ]{part}
17625 \DeclareSectionCommand[%
17626 style=chapter,%
17627 level=\z@,%
17628 pagestyle=plain,%
17629 tocstyle=chapter,%
17630 tocindent=\z@,%
17631 tocnumwidth=1.5em%
17632 ]{chapter}
17633 \DeclareSectionCommand[%

```



```

17634 style=section,%
17635 level=1,%
17636 indent=\z@,%
17637 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17638 afterskip=2.3ex \@plus .2ex,%
17639 tocstyle=section,%
17640 tocindent=1.5em,%
17641 tocnumwidth=2.3em%
17642]{section}
17643\DeclareSectionCommand[%
17644 style=section,%
17645 level=2,%
17646 indent=\z@,%
17647 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17648 afterskip=1.5ex \@plus .2ex,%
17649 tocstyle=section,%
17650 tocindent=3.8em,%
17651 tocnumwidth=3.2em%
17652]{subsection}
17653\DeclareSectionCommand[%
17654 style=section,%
17655 level=3,%
17656 indent=\z@,%
17657 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17658 afterskip=1.5ex \@plus .2ex,%
17659 tocstyle=section,%
17660 tocindent=7.0em,%
17661 tocnumwidth=4.1em%
17662]{subsubsection}
17663\DeclareSectionCommand[%
17664 style=section,%
17665 level=4,%
17666 indent=\z@,%
17667 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17668 afterskip=-1em,%
17669 tocstyle=section,%
17670 tocindent=10em,%
17671 tocnumwidth=5em%
17672]{paragraph}
17673\DeclareSectionCommand[%
17674 style=section,%
17675 level=5,%
17676 indent=\scr@parindent,%
17677 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17678 afterskip=-1em,%
17679 tocstyle=section,%
17680 tocindent=12em,%
17681 tocnumwidth=6em%
17682]{subparagraph}
17683

```



17684

106 File scrlettr-xetex-bidi.def

```
17685 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17686 \renewcommand\deffootnote[4][]{%
17687   \long\def\@makefnmark##1{%
17688     \edef\@tempa{#1}\ifx\@tempa\@empty
17689       \setpar{\@par
17690         \@tempdima = \hsize
17691         \addtolength{\@tempdima}{-#2}
17692         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17693     \else
17694       \setpar{\@par
17695         \@tempdima = \hsize
17696         \addtolength{\@tempdima}{-#1}
17697         \@tempdimb = \hsize
17698         \addtolength{\@tempdimb}{-#2}
17699         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17700       \fi
17701     \par
17702     \parindent #3\noindent
17703     \hbox to \z@{\hss\@makefnmark}##1}
17704   \def\@makefnmark{\hbox{#4}}
17705 }
17706 \deffootnote[1em]{1.5em}{1em}
17707 {\textsuperscript{\thefootnotemark}}
17708 \def\left@footnoterule{\kern-1\p@
17709   \hrule width 0.4\columnwidth
17710   \kern .6\p@}
17711 \def\right@footnoterule{%
17712   \kern-1\p@
17713   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17714   \kern .6\p@}
17715 \def\@datefield{\@reffalse
17716   \ifx\varyourref\@empty \else \@reftrue \fi
17717   \ifx\varyourmail\@empty \else \@reftrue \fi
17718   \ifx\varmyref\@empty \else \@reftrue \fi
17719   \ifx\varcustomer\@empty \else \@reftrue \fi
17720   \ifx\varinvoice\@empty \else \@reftrue \fi
17721   \ifx\varrefitemi\@empty \else \@reftrue \fi
17722   \ifx\varrefitemii\@empty \else \@reftrue \fi
17723   \ifx\varrefitemiii\@empty \else \@reftrue \fi
17724   \vskip -\parskip
17725   \vskip \refvskip
17726   \if@ref
17727     \ifx\varyourref\@empty \else
17728       \settowidth{\sc@temp}{\varyourref}
17729       \setbox0\hbox{\scriptsize \sf \yourrefname}
17730       \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
```



```

17731 \parbox[t]{\sc@temp}{\noindent \box0\par \varepsilon\ref}\hfill
17732 \fi
17733 \ifx\varepsilon\empty \else
17734 \settowidth{\sc@temp}{\varepsilon}
17735 \setbox0\hbox{\scriptsize \sf \varepsilonname}
17736 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17737 \parbox[t]{\sc@temp}{\noindent \box0\par \varepsilon}\hfill
17738 \fi
17739 \ifx\varmyref\empty \else
17740 \settowidth{\sc@temp}{\varmyref}
17741 \setbox0\hbox{\scriptsize \sf \myrefname}
17742 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17743 \parbox[t]{\sc@temp}{\noindent \box0\par \varmyref}\hfill
17744 \fi
17745 \ifx\varcustomer\empty \else
17746 \settowidth{\sc@temp}{\varcustomer}
17747 \setbox0\hbox{\scriptsize \sf \customername}
17748 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17749 \parbox[t]{\sc@temp}{\noindent \box0\par \varcustomer}\hfill
17750 \fi
17751 \ifx\varinvoice\empty \else
17752 \settowidth{\sc@temp}{\varinvoice}
17753 \setbox0\hbox{\scriptsize \sf \invoicename}
17754 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17755 \parbox[t]{\sc@temp}{\noindent \box0\par \varinvoice}\hfill
17756 \fi
17757 \ifx\varrefitemi\empty \else
17758 \settowidth{\sc@temp}{\varrefitemi}
17759 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17760 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17761 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemi}\hfill
17762 \fi
17763 \ifx\varrefitemii\empty \else
17764 \settowidth{\sc@temp}{\varrefitemii}
17765 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17766 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17767 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemii}\hfill
17768 \fi
17769 \ifx\varrefitemiii\empty \else
17770 \settowidth{\sc@temp}{\varrefitemiii}
17771 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17772 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17773 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemiii}\hfill
17774 \fi
17775 \ifx\@date\empty \else
17776 \settowidth{\sc@temp}{\@date}
17777 \setbox0\hbox{\scriptsize \sf \datename}
17778 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17779 \parbox[t]{\sc@temp}{\noindent \box0\par \@date}
17780 \fi

```



```

17781 \par
17782 \vspace{2.5\baselineskip}
17783 \else
17784 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17785 \vspace{1.5\baselineskip}
17786 \fi}
17787 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17788 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
17789 -\sigindent \hspace{\sigindent}%
17790 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@sk
17791 \fromsig\strut}\par
17792 \vspace{1.5\baselineskip}}

```

107 File scrreprt-xetex-bidi.def

```

17793 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
17794 \newcommand{\scr@saved@LTRfootnotetext}{}
17795 \newcommand{\scr@saved@RTLfootnotetext}{}
17796 \let\scr@saved@footnotetext\@footnotetext
17797 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17798 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17799 \renewcommand{\@footnotetext}[1]{%
17800 \scr@saved@footnotetext{#1}%
17801 \csname FN@mf@prepare\endcsname
17802 }
17803 \renewcommand{\@LTRfootnotetext}[1]{%
17804 \scr@saved@LTRfootnotetext{#1}%
17805 \csname FN@mf@prepare\endcsname
17806 }
17807 \renewcommand{\@RTLfootnotetext}[1]{%
17808 \scr@saved@RTLfootnotetext{#1}%
17809 \csname FN@mf@prepare\endcsname
17810 }
17811 \renewcommand\deffootnote[4][1]{%
17812 \long\def\@makefntext##1{%
17813 \setlength{\@tempdimc}{#3}%
17814 \def\@tempa{#1}\ifx\@tempa\@empty
17815 \setpar{\@par
17816 \@tempdima = \hsize
17817 \addtolength{\@tempdima}{-#2}%
17818 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17819 \else
17820 \addtolength{\@tempdimc}{#2}%
17821 \addtolength{\@tempdimc}{-#1}%
17822 \setpar{\@par
17823 \@tempdima = \hsize
17824 \addtolength{\@tempdima}{-#1}%
17825 \@tempdimb = \hsize
17826 \addtolength{\@tempdimb}{-#2}%
17827 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #

```



```

17828     }%
17829     \fi
17830     \par
17831     \parindent\@tempdimc\noindent
17832     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17833 }%
17834 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
17835 }
17836 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17837 \renewcommand*\left@footnoterule{%
17838   \normalsize\ftn@rule@test@values
17839   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17840   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17841   {\usekomafont{footnoterule}{%
17842     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17843   \kern 2.6\p@}
17844 \renewcommand*\right@footnoterule{%
17845   \normalsize\ftn@rule@test@values
17846   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17847   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17848   {\usekomafont{footnoterule}{%
17849     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17850     \kern 2.6\p@}
17851 \renewcommand*\maketitle[1][1]{%
17852   \if@titlepage
17853     \begin{titlepage}
17854       \setcounter{page}{%
17855         #1%
17856       }%
17857       \let\footnotesize\small
17858       \let\right@footnoterule\relax
17859       \let\left@footnoterule\relax
17860       \let\textwidth@footnoterule\relax
17861       \let\footnote\thanks
17862       \let\LTRfootnote\LTRthanks
17863       \let\RTLfootnote\RTLthanks
17864       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17865       \let\@oldmakefnmark\@makefnmark
17866       \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
17867       \ifx\@extratitle\@empty \else
17868         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17869         \thispagestyle{empty}%
17870       \fi
17871       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17872       \ifx\@titlehead\@empty \else
17873         \begin{minipage}[t]{\textwidth}%
17874           \@titlehead
17875         \end{minipage}\par
17876       \fi
17877       \null\vfill

```




```

17878 \begin{center}
17879 \ifx\@subject\@empty \else
17880 {\subject@font \@subject \par}%
17881 \vskip 3em
17882 \fi
17883 {\titlefont\huge \@title\par}%
17884 \vskip 1em
17885 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17886 \vskip 2em
17887 {\Large \lineskip 0.75em
17888 \begin{tabular}[t]{c}
17889 \@author
17890 \end{tabular}\par
17891 }%
17892 \vskip 1.5em
17893 {\Large \@date \par}%
17894 \vskip \z@ \@plus3fill
17895 {\Large \@publishers \par}%
17896 \vskip 3em
17897 \end{center}\par
17898 \@thanks
17899 \vfill\null
17900 \if@twoside\next@tpage
17901 \begin{minipage}[t]{\textwidth}
17902 \@uppertitleback
17903 \end{minipage}\par
17904 \vfill
17905 \begin{minipage}[b]{\textwidth}
17906 \@lowertitleback
17907 \end{minipage}
17908 \fi
17909 \ifx\@dedication\@empty \else
17910 \next@tpage\null\vfill
17911 {\centering \Large \@dedication \par}%
17912 \vskip \z@ \@plus3fill
17913 \if@twoside \next@tpage\cleardoubleemptypage \fi
17914 \fi
17915 \end{titlepage}
17916 \else
17917 \par
17918 \@tempcnta=%
17919 #1%
17920 \relax\ifnum\@tempcnta=1\else
17921 \ClassWarning{\KOMAClassName}{%
17922 Optional argument of \string\maketitle\space ignored
17923 at\MessageBreak
17924 notitlepage-mode%
17925 }%
17926 \fi
17927 \begingroup

```



```

17928 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17929 \let\@oldmakefnmark\@makefnmark
17930 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17931 \if@twocolumn
17932 \ifnum \col@number=\@ne
17933 \maketitle
17934 \else
17935 \twocolumn[\maketitle]%
17936 \fi
17937 \else
17938 \newpage
17939 \global\@topnum\z@
17940 \maketitle
17941 \fi
17942 \thispagestyle{\titlepagestyle}\@thanks
17943 \endgroup
17944 \fi
17945 \setcounter{footnote}{0}%
17946 \let\thanks\relax
17947 \let\LTrthanks\relax
17948 \let\RTLthanks\relax
17949 \let\maketitle\relax
17950 \let\@maketitle\relax
17951 \global\let\@thanks\@empty
17952 \global\let\@author\@empty
17953 \global\let\@date\@empty
17954 \global\let\@title\@empty
17955 \global\let\@subtitle\@empty
17956 \global\let\@extratitle\@empty
17957 \global\let\@titlehead\@empty
17958 \global\let\@subject\@empty
17959 \global\let\@publishers\@empty
17960 \global\let\@uppertitleback\@empty
17961 \global\let\@lowertitleback\@empty
17962 \global\let\@dedication\@empty
17963 \global\let\author\relax
17964 \global\let\title\relax
17965 \global\let\extratitle\relax
17966 \global\let\titlehead\relax
17967 \global\let\subject\relax
17968 \global\let\publishers\relax
17969 \global\let\uppertitleback\relax
17970 \global\let\lowertitleback\relax
17971 \global\let\dedication\relax
17972 \global\let\date\relax
17973 \global\let\and\relax
17974 }%
17975 \renewcommand*\@maketitle{%
17976 \clearpage
17977 \let\footnote\thanks

```



```

17978 \let\LTRfootnote\LTRthanks
17979 \let\RTLfootnote\RTLthanks
17980 \ifx\@extratitle\@empty \else
17981   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17982 \fi
17983 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
17984 \ifx\@titlehead\@empty \else
17985   \begin{minipage}[t]{\textwidth}
17986     \@titlehead
17987   \end{minipage}\par
17988 \fi
17989 \null
17990 \vskip 2em%
17991 \begin{center}%
17992   \ifx\@subject\@empty \else
17993     {\subject@font \@subject \par}
17994     \vskip 1.5em
17995   \fi
17996   {\titlefont\huge \@title \par}%
17997   \vskip .5em
17998   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17999   \vskip 1em
18000   {\Large
18001     \lineskip .5em%
18002     \begin{tabular}[t]{c}
18003       \@author
18004     \end{tabular}\par
18005   }%
18006   \vskip 1em%
18007   {\Large \@date \par}%
18008   \vskip \z@ \@plus 1em
18009   {\Large \@publishers \par}
18010   \ifx\@dedication\@empty \else
18011     \vskip 2em
18012     {\Large \@dedication \par}
18013   \fi
18014 \end{center}%
18015 \par
18016 \vskip 2em
18017 }%
18018 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18019 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18020 \renewcommand*\thesection{%
18021   \thechapter\@SepMark%
18022   \@arabic\c@section
18023 }
18024 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
18025 \renewcommand*{\thesubsubsection}{%
18026   \thesubsection\@SepMark\@arabic\c@subsubsection
18027 }

```



```

18028 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18029 \renewcommand*{\thesubparagraph}{%
18030   \theparagraph\@SepMark\@arabic\c@subparagraph
18031 }
18032 \renewcommand*\thefigure{%
18033   \thechapter\@SepMark%
18034   \@arabic\c@figure
18035 }
18036 \renewcommand*\thetable{%
18037   \thechapter\@SepMark%
18038   \@arabic\c@table
18039 }
18040 \renewcommand*\theequation{%
18041   \thechapter\@SepMark%
18042   \@arabic\c@equation
18043 }
18044 \renewenvironment{thebibliography}[1]{%
18045   \if@bib@break@
18046     \bib@beginhook
18047   \else
18048     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18049       \setchapterpreamble{\bibpreamble}%
18050     \fi\fi
18051     \bib@heading
18052     \bib@beginhook
18053     \bib@before@hook
18054   \fi
18055   \renewcommand{\BreakBibliography}[1]{%
18056     \@bib@break
18057     \end{thebibliography}%
18058     \begingroup ##1\endgroup
18059     \begin{thebibliography}{#1}
18060   }%
18061   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18062   \bidi@thebibliography@font@hook%
18063   \list{%
18064     \@biblabel{\@arabic\c@enumiv}%
18065   }{%
18066     \settowidth\labelwidth{\@biblabel{#1}}%
18067     \leftmargin\labelwidth
18068     \advance\leftmargin\labelsep
18069     \@openbib@code
18070     \if@bib@break@
18071       \edef\@tempa{%
18072         \noexpand\usecounter{enumiv}%
18073         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18074       }\@tempa
18075       \no@bib@break
18076     \else
18077       \usecounter{enumiv}%

```



```

18078 \fi
18079 \let\p@enumiv\@empty
18080 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18081 }%
18082 \sloppy\clubpenalty4000 \widowpenalty4000
18083 \sfcode`\.=\@m
18084 }{%
18085 \if@bib@break@
18086 \def\@noitemerr{%
18087 \@latex@warning{%
18088 \string\BreakBibliography\space at begin of `thebibliography'
18089 environment\MessageBreak
18090 or following \string\BreakBibliography}%
18091 }%
18092 \else
18093 \def\@noitemerr{%
18094 \@latex@warning{%
18095 Empty `thebibliography' environment or
18096 \string\BreakBibliography\MessageBreak
18097 before end of `thebibliography' environment}%
18098 }%
18099 \fi
18100 \endlist
18101 \if@bib@break@
18102 \else
18103 \bib@after@hook
18104 \let\bib@before@hook\@empty
18105 \let\bib@after@hook\@empty
18106 \fi
18107 \bib@endhook
18108 }
18109 \renewcommand*\left@footnoterule{%
18110 \kern-3\p@
18111 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18112 \hrule\@width.4\columnwidth
18113 \kern 2.6\p@}
18114 \renewcommand*\right@footnoterule{%
18115 \kern-3\p@
18116 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18117 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18118 \kern2.6\p@}
18119 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18120 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18121 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18122 \renewcommand\marginline[1]{%
18123 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18124 }
18125 \renewcommand{\@makecaption}[3]{%
18126 \cap@margin
18127 \ifonlinecaptions

```



```

18128 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18129 \let\scr@tmp@footnotetext=\@footnotetext
18130 \let\@footnotetext=\@gobble
18131 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18132 \let\@LTRfootnotetext=\@gobble
18133 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18134 \let\@RTLfootnotetext=\@gobble
18135 \sbox\@tempboxa{%
18136   {\capfont{\strut\ignorespaces
18137     #1{\@caplabelfont{#2\captionformat}}}%
18138     #3\unskip\strut}}%
18139 }%
18140 \let\@footnotetext=\scr@tmp@footnotetext
18141 \let\scr@tmp@footnotetext=\undefined
18142 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18143 \let\scr@tmp@LTRfootnotetext=\undefined
18144 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18145 \let\scr@tmp@RTLfootnotetext=\undefined
18146 \setcounter{footnote}{\@tempcntb}%
18147 \setcounter{mpfootnote}{\@tempcnta}%
18148 \else
18149 \sbox\@tempboxa{\hspace*{2\cap@width}}%
18150 \fi
18151 \begingroup%
18152 \setlength{\@tempdima}{\cap@width}%
18153 \ifdim \wd\@tempboxa >\@tempdima
18154 \hb@xt@\hsize{%
18155   \setbox\@tempboxa\vbox{\hsize=\cap@width
18156     \ifdofullc@p
18157       {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18158         #1{\@caplabelfont{#2\captionformat}}}%
18159         #3\unskip\strut\par}}}%
18160     \else%
18161       \ifdim\cap@indent<\z@
18162         {\capfont{\strut\ignorespaces
18163           #1{\@caplabelfont{#2\captionformat\par}}}%
18164           \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18165       \else%
18166         \if@capbreak
18167           {\capfont{\strut\ignorespaces
18168             #1{\@caplabelfont{#2\captionformat\par}}}%
18169             \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18170         \else
18171           {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18172             {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18173               {\@caplabelfont{#2\captionformat}}}%#3\unskip\strut\par}}}%
18174         \fi
18175       \fi
18176     \fi
18177 }%

```



```

18178      \setlength{\@tempdima}{\ht\@tempboxa}%
18179      \addtolength{\@tempdima}{\dp\@tempboxa}%
18180      \addtolength{\@tempdima}{-\ht\strutbox}%
18181      \ht\@tempboxa\ht\strutbox
18182      \dp\@tempboxa\@tempdima
18183      \strut\cap@left
18184      \box\@tempboxa
18185      \cap@right\strut
18186    }%
18187  \else
18188    \global \@minipagefalse
18189    \sbox\@tempboxa{%
18190      {\capfont{\scr@smashdp{\strut\ignorespaces
18191        #1{\caplabelfont{#2\captionformat}}}}}%
18192      #3}%
18193    }%
18194    {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}%
18195  \fi
18196 \endgroup
18197 }
18198 \renewcommand{\@makecaption}[2]{%
18199   \if@captionabove
18200     \vskip\belowcaptionskip
18201   \else
18202     \vskip\abovecaptionskip
18203   \fi
18204   \@makecaption\@firstofone{#1}{#2}%
18205   \if@captionabove
18206     \vskip\abovecaptionskip
18207   \else
18208     \vskip\belowcaptionskip
18209   \fi
18210 }
18211 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18212   \@ifpackageloaded{caption2}{\@komalongtablefalse
18213     \scr@caption@before@longtable@warning{caption2}%
18214   }{}%
18215   \if@komalongtable
18216     \renewcommand{\LT@makecaption}[3]{%
18217       \noalign{%
18218         \if@captionabove
18219           \vskip\belowcaptionskip
18220         \else
18221           \vskip\abovecaptionskip
18222         \fi
18223       }%
18224       \LT@mcol\LT@cols c{%
18225         \hbox to\z@{\hss\parbox[t]{\linewidth{%
18226           \@makecaption{#1}{#2}{#3}%
18227         \endgraf

```



```

18228         \if@captionabove
18229             \vskip\abovecaptionskip
18230         \else
18231             \vskip\belowcaptionskip
18232         \fi
18233     }%
18234     \hss
18235 }%
18236 }%
18237 }%
18238 \renewcommand*{\scr@LT@array}{}%
18239 \let\scr@LT@array=\LT@array
18240 \renewcommand*{\LT@array}{%
18241     \let\scr@caption=\LT@caption
18242     \def\captionabove{\noalign{\global\@captionabovetrue}%
18243         \scr@caption}%
18244     \def\captionbelow{\noalign{\global\@captionabovetrue}%
18245         \scr@caption}%
18246     \if@tablecaptionabove
18247         \let\LT@caption=\captionabove
18248     \else
18249         \let\LT@caption=\captionbelow
18250     \fi
18251     \scr@LT@array
18252 }%
18253 \ClassInfo{\KOMAClassName}{%
18254     longtable captions redefined%
18255 }%
18256 \fi
18257 }
18258
18259 \CloneTOCEntryStyle{tocline}{part}
18260 \TOCEntryStyleStartInitCode{part}{%
18261     \expandafter\renewcommand%
18262     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18263     \expandafter\renewcommand%
18264     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18265     \expandafter\renewcommand%
18266     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18267         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18268     \expandafter\renewcommand\expandafter*%
18269     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
18270 }
18271
18272 \CloneTOCEntryStyle{tocline}{chapter}
18273 \TOCEntryStyleStartInitCode{chapter}{%
18274     \expandafter\renewcommand%
18275     \csname scr@tso@#1@linefill\endcsname{%
18276         \if@chapterentrywithdots
18277             \TOCLineLeaderFill\relax

```




```

18278 \else
18279 \hfill
18280 \fi
18281 }%
18282 \expandafter\renewcommand%
18283 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18284 \expandafter\renewcommand%
18285 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18286 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18287 \expandafter\renewcommand\expandafter*%
18288 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18289 }
18290
18291 \CloneTOCEntryStyle{tocline}{section}
18292 \TOCEntryStyleStartInitCode{section}{%
18293 \expandafter\renewcommand%
18294 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18295 }
18296
18297 \CloneTOCEntryStyle{section}{default}
18298
18299 \DeclareSectionCommand[%
18300 style=part,%
18301 level=\m@ne,%
18302 pagestyle=plain,%
18303 tocstyle=part,%
18304 toclevel=\m@ne,%
18305 tocindent=\z@,%
18306 tocnumwidth=2em%
18307 ]{part}
18308 \DeclareSectionCommand[%
18309 style=chapter,%
18310 level=\z@,%
18311 pagestyle=plain,%
18312 tocstyle=chapter,%
18313 tocindent=\z@,%
18314 tocnumwidth=1.5em%
18315 ]{chapter}
18316 \DeclareSectionCommand[%
18317 style=section,%
18318 level=1,%
18319 indent=\z@,%
18320 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
18321 afterskip=2.3ex \@plus .2ex,%
18322 tocstyle=section,%
18323 tocindent=1.5em,%
18324 tocnumwidth=2.3em%
18325 ]{section}
18326 \DeclareSectionCommand[%
18327 style=section,%

```



```

18328 level=2,%
18329 indent=\z@,%
18330 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
18331 afterskip=1.5ex \@plus .2ex,%
18332 tocstyle=section,%
18333 tocindent=3.8em,%
18334 tocnumwidth=3.2em%
18335]{subsection}
18336\DeclareSectionCommand[%
18337 style=section,%
18338 level=3,%
18339 indent=\z@,%
18340 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
18341 afterskip=1.5ex \@plus .2ex,%
18342 tocstyle=section,%
18343 tocindent=7.0em,%
18344 tocnumwidth=4.1em%
18345]{subsubsection}
18346\DeclareSectionCommand[%
18347 style=section,%
18348 level=4,%
18349 indent=\z@,%
18350 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18351 afterskip=-1em,%
18352 tocstyle=section,%
18353 tocindent=10em,%
18354 tocnumwidth=5em%
18355]{paragraph}
18356\DeclareSectionCommand[%
18357 style=section,%
18358 level=5,%
18359 indent=\scr@parindent,%
18360 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18361 afterskip=-1em,%
18362 tocstyle=section,%
18363 tocindent=12em,%
18364 tocnumwidth=6em%
18365]{subparagraph}
18366
18367

```

108 File sidecap-xetex-bidi.def

```

18368\ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18369\renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18370 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18371 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18372 \renewcommand*{\SC@justify@caption}{\if@RTL%
18373 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18374 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```



109 File soul-xetex-bidi.def

```

18375 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18376 \long\def\SOUL@start#1{%
18377   \let\bid@RTL@everypar\@empty
18378   \let\<\SOUL@lowerthan
18379   \let\>\empty
18380   \def\soulomit{\noexpand\soulomit}%
18381   \gdef\SOUL@eventuallyexhyphen##1{%
18382     \let\SOUL@soeventuallyskip\relax
18383     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18384       \@minus\fontdimen4\font
18385     \SOUL@ignorespacesfalse
18386     \leavevmode
18387     \SOUL@preamble
18388     \SOUL@lasttoken={}%
18389     \SOUL@word={}%
18390     \SOUL@minus\z@
18391     \SOUL@comma\z@
18392     \SOUL@apo\z@
18393     \SOUL@grave\z@
18394     \SOUL@do{#1}%
18395     \SOUL@postamble
18396   }}
18397 \def\SOUL@ulunderline#1{%
18398   \setbox\z@\hbox{#1}%
18399   \dimen@=\wd\z@
18400   \dimen@i=\SOUL@uloverlap
18401   \advance\dimen@2\dimen@i
18402   \if@RTL
18403     \unhcopy\z@
18404     \llap{%
18405       \null
18406       \kern-\dimen@i
18407       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18408     }%
18409   \else
18410     \rlap{%
18411       \null
18412       \kern-\dimen@i
18413       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18414     }%
18415     \unhcopy\z@
18416   \fi
18417 }}
18418 \def\bid@SOUL@ulleaders{%
18419   \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
18420 }
18421 \def\SOUL@uleveryspace#1{%
18422   \if@RTL

```



```

18423      #1%
18424      \bidi@SOUL@ulleaders
18425      \hskip\spaceskip
18426      \else
18427      \SOUL@ulcolor{%
18428      #1%
18429      \SOUL@ulleaders
18430      \hskip\spaceskip
18431      }%
18432      \fi
18433      \null
18434  }

```

110 File stabular-xetex-bidi.def

```

18435 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18436 \def\@stabular{%
18437   \leavevmode \bgroup \if@RTLtab\beginR \fi
18438   \let\@acol\@tabacol
18439   \let\@classz\@tabclassz
18440   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18441 \def\endstabular{\crr\egroup\if@RTLtab\endR\fi\egroup\fi
18442   \egroup \if@RTLtab\endR\fi\egroup}
18443 \expandafter \let \csname endstabular*\endcsname = \endstabular
18444 \def\@sarray[#1]#2{%
18445   \bgroup
18446   \setbox\@arstrutbox\hbox{%
18447     \vrule \@height\arraystretch\ht\strutbox
18448     \@depth\arraystretch \dp\strutbox
18449     \@width\z@}%
18450   \@mkpream{#2}%
18451   \edef\@preamble{%
18452     \ialign \noexpand\@halignto
18453       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18454   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18455   \let\@tabularnewline\\%
18456   \let\@sharp##%
18457   \set@typeset@protect
18458   \lineskip\z@skip\baselineskip\z@skip
18459   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18460   \@preamble}

```

111 File subfigure-xetex-bidi.def

```

18461 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18462 \AtBeginDocument{%
18463   \let\p@subfigure=\thefigure
18464   \let\p@subtable=\thetable%
18465 }

```



112 File tabs-xetex-bidi.def

```

18466 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for Xe
18467 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18468
18469 \expandafter\let\csname endtabular*\endcsname=\endtabular
18470
18471 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18472 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18473 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18474
18475 \def\@array[#1]#2{% remember global variables to allow recursion:
18476 \edef\@unrecurse{\global\@skip@above\the\@skip@above
18477 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18478 \let\@otarlinesep\@tarlinesep \global\@skip@above-\@otarlinesep
18479 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18480 \else \let\@tarlinesep\tablinesep \fi
18481 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18482 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18483 \tempdima\arraystretch\ht\strutbox \tempdimb\arraystretch\dp\strutbox
18484 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18485 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
18486 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18487 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18488 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18489 \let\protect\noexpand
18490 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18491 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18492 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18493 \if#1t\top \else \if#1b\bottom \else \vcenter \fi\fi
18494 \bgroup \let\par\empty
18495 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18496 \advance\extrarulesep.5\arrayrulewidth
18497 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18498 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \bottom \fi\bgroup\fi
18499 \@preamble}

```

113 File tabularx-xetex-bidi.def

```

18500 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package
18501 \def\TX@endtabularx{%
18502 \expandafter\expandafter\expandafter
18503 \TX@find@endtabularxa\csname end\TX@\endcsname
18504 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18505 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18506 \let\verb\TX@verb
18507 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18508 \edef\TX@ckpt{\cl@ckpt}%
18509 \let\@elt\relax
18510 \TX@old@table\maxdimen

```



```

18511 \TX@col@width\TX@target
18512 \global\TX@cols@one
18513 \TX@typeout@
18514 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18515 \TX@trial{\def\NC@rewriteX{%
18516 \global\advance\TX@cols@one\NC@find p{\TX@col@width}}}%
18517 \loop
18518 \TX@arith
18519 \ifTX@
18520 \TX@trial{%
18521 \repeat
18522 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18523 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18524 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18525 \csname tabular*\expandafter\endcsname\expandafter\TX@target
18526 \the\toks@
18527 \csname endtabular*\endcsname}%
18528 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18529 \ifnum0=\fi}%
18530 \expandafter\expandafter\expandafter
18531 \TX@find@endtabularxbb
18532 \expandafter\end\expandafter{\TX@}%
18533 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18534 }
18535
18536 \def\TX@trial#1{%
18537 \setbox\@tempboxa\hbox{%
18538 #1\relax
18539 \let\@footnotetext\TX@trial@ftn
18540 \let\@LTRfootnotetext\TX@trial@ftn
18541 \let\@RTLfootnotetext\TX@trial@ftn
18542 \let\TX@vwarn\@empty
18543 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18544 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18545 \def\write{\begingroup
18546 \def\let{\afterassignment\endgroup\toks@}%
18547 \afterassignment\let\count@}%
18548 \hbadness\@M
18549 \hfuzz\maxdimen
18550 \let\hbadness\@tempcnta
18551 \let\hfuzz\@tempdima
18552 \expandafter\tabular\the\toks@
18553 \endtabular}%
18554 \TX@ckpt
18555 \TX@typeout@{\@spaces
18556 \expandafter\TX@align
18557 \the\wd\@tempboxa\space\space\space\space\space@@
18558 \expandafter\TX@align
18559 \the\TX@col@width\space\space\space\space\space@@
18560 \@spaces\the\TX@cols}}

```



```

18561
18562 \long\def\TX@LTRfnttext#1{%
18563   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18564     [\the\csname c@{\mpfn\endcsname}]}%
18565   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18566 \long\def\TX@xLTRfnttext[#1]#2{%
18567   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}%
18568
18569 \long\def\TX@RTLfnttext#1{%
18570   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18571     [\the\csname c@{\mpfn\endcsname}]}%
18572   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18573 \long\def\TX@xRTLfnttext[#1]#2{%
18574   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}%

```

```

18575 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18576 \def\@testpach{\@chclass
18577   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18578     \ifnum \@lastchclass=7 5 \else
18579       \ifnum \@lastchclass=8 \tw@ \else
18580         \ifnum \@lastchclass=9 \thr@@
18581           \else \z@
18582             \ifnum \@lastchclass = 10 \else
18583               \edef\@nextchar{\expandafter\string\@nextchar}%
18584               \@chnum
18585               \if \@nextchar c\z@ \else
18586                 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18587                   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18588                     \if \@nextchar C7 \else
18589                       \if \@nextchar L8 \else
18590                         \if \@nextchar R9 \else
18591                           \if \@nextchar J10 \else
18592                             \z@ \@chclass
18593                             \if\@nextchar |\@ne \else
18594                               \if \@nextchar !6 \else
18595                                 \if \@nextchar @7 \else
18596                                   \if \@nextchar <8 \else
18597                                     \if \@nextchar >9 \else
18598                                       10
18599                                       \@chnum
18600                                       \if \@nextchar m\thr@@\else
18601                                         \if \@nextchar p4 \else
18602                                           \if \@nextchar b5 \else
18603                                             \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18604                                             \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

```

18605 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18606 \def\@cliptoboxdim#1{%
18607     \setbox#1=\hbox{%
18608         \Gin@defaultbp\WIDTH{\wd#1}%
18609         \Gin@defaultbp\DEPTH{\dp#1}%
18610         \@tempdima\ht#1%
18611         \advance\@tempdima\dp#1%
18612         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18613         \beginL\special{pdf:bcontent }%
18614         \special{%
18615             pdf:literal direct
18616             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18617         }%
18618         \special{pdf:literal direct W }%
18619         \special{pdf:literal direct n }%
18620         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18621         \special{pdf:econtent }\endL%
18622     }%
18623 }

```

116 File tcolorbox-xetex-bidi.def

```

18624 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox package]
18625 \let\endtcbox@lrbox=\endminipage
18626 \let\endtcbox@savebox=\endtcbox@lrbox
18627
18628 \bidi@patchcmd{\tcb@vbox}{%
18629     \let\@footnotetext\@mpfootnotetext%
18630 }{%
18631     \let\@footnotetext\@mpfootnotetext%
18632     \let\@LTRfootnotetext\@mpLTRfootnotetext%
18633     \let\@RTLfootnotetext\@mpRTLfootnotetext%
18634 }{}{}
18635
18636 \bidi@patchcmd{\endtcbox@vbox}{%
18637     \footnoterule%
18638 }{%
18639     \bidi@mpfootnoterule%
18640 }{}{}

```

117 File titlesec-xetex-bidi.def

```

18641 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18642 \renewcommand\filright{%
18643     \gdef\ttl@filleft##1{\hskip##1}%
18644     \gdef\ttl@filright##1{\hfill}%
18645     \let\\\@centercr
18646     \advance\rightskip\z@ \@plus 1fil
18647     \parfillskip\z@}
18648 \def\ttlh@hang#1#2#3#4#5#6#7#8{%

```




```

18649 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18650 \setlength\leftskip{#6}%
18651 \setlength\rightskip{#7}%
18652 \interlinepenalty\@M
18653 \ttl@changecentercr
18654 \ttl@beginlongest
18655 #1{\ifhmode\ttl@hmode@error\fi
18656   \ttl@glcmds
18657   \parindent\z@
18658   \leavevmode
18659   \begingroup
18660     \ifttl@label
18661       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18662       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18663       \llap{\box\z@}%
18664     \fi
18665     #4{#8}%
18666     \kern\z@\strut\@@par
18667   \endgroup
18668   \nobreak\ttl@midlongest#5\@@par}%
18669 \ttl@endlongest}

```

118 File `titletoc-xetex-bidi.def`

```

18670 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18671 \renewcommand\filright{%
18672   \gdef\ttl@filleft##1{\hskip##1}%
18673   \gdef\ttl@filright##1{\hfill}%
18674   \let\\\@centercr
18675   \advance\rightskip\z@ \@plus 1fil
18676   \parfillskip\z@}
18677 \renewcommand\contentspush[1]{%
18678   \sbox\z@{#1}%
18679   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18680   \aftergroup\ttl@b
18681   \leavevmode\llap{\box\z@}}
18682 \def\ttl@outnoblock#1#2#3{%
18683   \begingroup
18684   \ifnum\ttl@b>\ttl@a
18685     \nobreak
18686   \else\ifnum\ttl@b<\ttl@a
18687     \addpenalty{\@secpenalty}%
18688   \else
18689     \addpenalty{\z@}%
18690   \fi\fi
18691   \ttl@contentsstretch
18692   \nobreak
18693   \ifcase#1\relax\else\interlinepenalty\@M\fi
18694   \parindent\z@
18695   \ifx\@nil#2%

```



```

18696 \PackageError{titletoc}{Unimplemented}%
18697 {The optional argument is currently mandatory}%
18698 \else
18699 \if@RTL\setlength\rightskip{#2}\else
18700 \setlength\leftskip{#2}\fi%
18701 \fi
18702 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18703 \let\contentsmargin\ttl@margin
18704 \def\ttl@makeline##1{##1}%
18705 #3%
18706 \addtolength{\parfillskip}{-ttl@corr}%
18707 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18708 \let\ttl@leaders\leaders}
18709 \renewcommand\ttl@margin[2][\z@]{%
18710 \def\ttl@corr{#1}%
18711 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18712 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18713 \def\@pnumwidth{#2}}
18714 \let\ttl@savel@part\l@part
18715 \def\l@part{\ttl@lselect{part}}
18716
18717 \let\ttl@savel@chapter\l@chapter
18718 \def\l@chapter{\ttl@lselect{chapter}}

```

119 File tocbibind-xetex-bidi.def

```

18719 \ProvidesFile{tocabibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18720 \if@dotocbib
18721 \@ifpackageloaded{natbib}{\% natbib not loaded
18722 \renewcommand{\bibsection}{\tcb@bchapsec}
18723 \renewenvironment{thebibliography}[1]{%
18724 \bibsection
18725 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
18726 \renewenvironment{thebibitemlist}[1]{
18727 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18728 \bidi@thebibliography@font@hook%
18729 \list{\@biblabel{\@arabic{c@enumiv}}}%
18730 {\settowidth\labelwidth{\@biblabel{#1}}%
18731 \leftmargin\labelwidth
18732 \advance\leftmargin\labelsep
18733 \@openbib@code
18734 \usecounter{enumiv}%
18735 \let\p@enumiv\@empty
18736 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
18737 \sloppy
18738 \clubpenalty4000
18739 \@clubpenalty \clubpenalty
18740 \widowpenalty4000%
18741 \sfcode\.\@m}
18742 {\def\@noitemerr

```



```

18743     {\@latex@warning{Empty `thebibliography' environment}}}%
18744     \endlist}
18745
18746     \@ifpackagewith{chapterbib}{sectionbib}%
18747     {\renewcommand{\sectionbib}[2]{}}%
18748     {}
18749
18750 \fi
18751 \if@inltxdoc\else
18752   \renewenvironment{theindex}%
18753   {\if@twocolumn
18754     \@restonecolfalse
18755   \else
18756     \@restonecoltrue
18757   \fi
18758   \if@bibchapter
18759     \if@donumindex
18760       \refstepcounter{chapter}
18761       \twocolumn[\vspace*{2\topskip}%
18762         \@makechapterhead{\indexname}}%
18763       \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18764       \chaptermark{\indexname}
18765     \else
18766       \if@dotocind
18767         \twocolumn[\vspace*{2\topskip}%
18768           \@makeschapterhead{\indexname}}%
18769         \prw@mkboth{\indexname}
18770         \addcontentsline{toc}{chapter}{\indexname}
18771       \else
18772         \twocolumn[\vspace*{2\topskip}%
18773           \@makeschapterhead{\indexname}}%
18774         \prw@mkboth{\indexname}
18775       \fi
18776     \fi
18777   \else
18778     \if@donumindex
18779       \twocolumn[\vspace*{-1.5\topskip}%
18780         \@nameuse{\@tocextra}{\indexname}}%
18781       \csname \@tocextra mark\endcsname{\indexname}
18782     \else
18783       \if@dotocind
18784         \twocolumn[\vspace*{-1.5\topskip}%
18785           \toc@headstar{\@tocextra}{\indexname}}%
18786         \prw@mkboth{\indexname}
18787         \addcontentsline{toc}{\@tocextra}{\indexname}
18788       \else
18789         \twocolumn[\vspace*{-1.5\topskip}%
18790           \toc@headstar{\@tocextra}{\indexname}}%
18791         \prw@mkboth{\indexname}
18792       \fi

```



```

18793         \fi
18794     \fi
18795     \thispagestyle{plain}\parindent\z@
18796     \parskip\z@ \@plus .3\p@\relax
18797     \let\item\@idxitem}
18798     {\if@restonecol\onecolumn\else\clearpage\fi}
18799 \fi

```

120 File tocloft-xetex-bidi.def

```

18800 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
18801 \let\cftdot\@SepMark
18802 \if@cfthaspart
18803 \renewcommand*{\l@part}[2]{
18804     \@cftdopartfalse
18805     \ifnum \c@tocdepth >-2\relax
18806         \if@cfthaschapter
18807             \@cftdoparttrue
18808         \fi
18809         \ifnum \c@tocdepth >\m@ne
18810             \if@cfthaschapter\else
18811                 \@cftdoparttrue
18812             \fi
18813         \fi
18814     \fi
18815     \if@cftdopart
18816         \if@cfthaschapter
18817             \addpenalty{-\@highpenalty}
18818         \else
18819             \addpenalty\@secpenalty
18820         \fi
18821         \addvspace{\cftbeforepartskip}
18822         \begingroup
18823             {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
18824             \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18825             \parfillskip -\if@RTL\leftskip\else\righskip\fi
18826             \parindent \cftpartindent\relax\@afterindenttrue
18827             \interlinepenalty\@M
18828             \leavevmode
18829             \@tempdima \cftpartnumwidth\relax
18830             \let\@cftbsnum \cftpartpresnum
18831             \let\@cftasnum \cftpartaftersnum
18832             \let\@cftasnumb \cftpartaftersnumb
18833             \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
18834             {\cftpartfont \cftpartpresnum #1}
18835             \cftpartfillnum{#2}}
18836         \nobreak
18837         \if@cfthaschapter
18838             \global\@nobreaktrue
18839             \everypar{\global\@nobreakfalse\everypar{}}

```



```

18840     \else
18841     \if@compatibility
18842     \global\@nobreake>true
18843     \everypar{\global\@nobreake>false\everypar{}}
18844     \fi
18845     \fi
18846     \endgroup
18847 \fi}
18848 \fi
18849 \if@cfthaschapter
18850 \renewcommand*{\l@chapter}[2]{
18851   \ifnum \c@tocdepth >\m@ne
18852     \addpenalty{-\@highpenalty}
18853     \vskip \cftbeforechapskip
18854     {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18855     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18856     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18857     \parindent \cftchapindent\relax\@afterindenttrue
18858     \interlinepenalty\@M
18859     \leavevmode
18860     \@tempdima \cftchapnumwidth\relax
18861     \let\@cftbsnum \cftchappresnum
18862     \let\@cftasnum \cftchapaftersnum
18863     \let\@cftasnumb \cftchapaftersnumb
18864     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18865     {\cftchapfont #1}\nobreak
18866     \cftchapfillnum{#2}}
18867 \fi}
18868 \fi
18869 \renewcommand*{\l@section}[2]{%
18870   \ifnum \c@tocdepth >\z@
18871     \if@cfthaschapter
18872       \vskip \cftbeforesecskip
18873     \else
18874       \addpenalty\@secpenalty
18875       \addvspace{\cftbeforesecskip}
18876     \fi
18877     {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
18878     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18879     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18880     \parindent \cftsecindent\relax\@afterindenttrue
18881     \interlinepenalty\@M
18882     \leavevmode
18883     \@tempdima \cftsecnumwidth\relax
18884     \let\@cftbsnum \cftsecpresnum
18885     \let\@cftasnum \cftsecaftersnum
18886     \let\@cftasnumb \cftsecaftersnumb
18887     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18888     {\cftsecfont #1}\nobreak
18889     \cftsecfillnum{#2}}

```



```

18890 \fi}
18891 \renewcommand*{\l@section}[2]{%
18892 \ifnum \c@tocdepth >\@ne
18893 \vskip \cftbeforesubsecskip
18894 {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
18895 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18896 \parfillskip -\if@RTL\leftskip\else\righskip\fi
18897 \parindent \cftsubsecindent\relax\@afterindenttrue
18898 \interlinepenalty\@M
18899 \leavevmode
18900 \@tempdima \cftsubsecnumwidth\relax
18901 \let\@cftbsnum \cftsubsecpresnum
18902 \let\@cftasnum \cftsubsecaftersnum
18903 \let\@cftasnumb \cftsubsecaftersnumb
18904 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
18905 {\cftsubsecfont #1}\nobreak
18906 \cftsubsecfillnum{#2}}
18907 \fi}
18908 \renewcommand*{\l@subsubsection}[2]{%
18909 \ifnum \c@tocdepth >\tw@
18910 \vskip \cftbeforesubsubsecskip
18911 {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
18912 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18913 \parfillskip -\if@RTL\leftskip\else\righskip\fi
18914 \parindent \cftsubsubsecindent\relax\@afterindenttrue
18915 \interlinepenalty\@M
18916 \leavevmode
18917 \@tempdima \cftsubsubsecnumwidth\relax
18918 \let\@cftbsnum \cftsubsubsecpresnum
18919 \let\@cftasnum \cftsubsubsecaftersnum
18920 \let\@cftasnumb \cftsubsubsecaftersnumb
18921 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
18922 {\cftsubsubsecfont #1}\nobreak
18923 \cftsubsubsecfillnum{#2}}
18924 \fi}
18925 \renewcommand*{\l@paragraph}[2]{%
18926 \ifnum \c@tocdepth >3\relax
18927 \vskip \cftbeforeparaskip
18928 {\if@RTL\righskip\else\leftskip\fi \cftparaindent\relax
18929 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18930 \parfillskip -\if@RTL\leftskip\else\righskip\fi
18931 \parindent \cftparaindent\relax\@afterindenttrue
18932 \interlinepenalty\@M
18933 \leavevmode
18934 \@tempdima \cftparanumwidth\relax
18935 \let\@cftbsnum \cftparapresnum
18936 \let\@cftasnum \cftparaaftersnum
18937 \let\@cftasnumb \cftparaaftersnumb
18938 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
18939 {\cftparafont #1}\nobreak

```



```

18940     \cftparafillnum{#2}}
18941   \fi}
18942 \renewcommand*{\l@subparagraph}[2]{%
18943   \ifnum \c@tocdepth >4\relax
18944     \vskip \cftbeforesubparaskip
18945     {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
18946     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18947     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18948     \parindent \cftsubparaindent\relax\@afterindenttrue
18949     \interlinepenalty\@M
18950     \leavevmode
18951     \@tempdima \cftsubparanumwidth\relax
18952     \let\@cftbsnum \cftsubparapresnum
18953     \let\@cftasnum \cftsubparaaftersnum
18954     \let\@cftasnumb \cftsubparaaftersnumb
18955     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18956     {\cftsubparafont #1}\nobreak
18957     \cftsubparafillnum{#2}}
18958   \fi}
18959 \renewcommand*{\l@figure}[2]{%
18960   \ifnum \c@lofdepth >\z@
18961     \vskip \cftbeforefigskip
18962     {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
18963     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18964     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18965     \parindent \cftfigindent\relax\@afterindenttrue
18966     \interlinepenalty\@M
18967     \leavevmode
18968     \@tempdima \cftfignumwidth\relax
18969     \let\@cftbsnum \cftfigpresnum
18970     \let\@cftasnum \cftfigaftersnum
18971     \let\@cftasnumb \cftfigaftersnumb
18972     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18973     {\cftfigfont #1}\nobreak
18974     \cftfigfillnum{#2}}
18975   \fi
18976 }
18977 \renewcommand*{\l@table}[2]{%
18978   \ifnum \c@lotdepth >\z@
18979     \vskip \cftbeforetabskip
18980     {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
18981     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18982     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18983     \parindent \cfttabindent\relax\@afterindenttrue
18984     \interlinepenalty\@M
18985     \leavevmode
18986     \@tempdima \cfttabnumwidth\relax
18987     \let\@cftbsnum \cfttabpresnum
18988     \let\@cftasnum \cfttabaftersnum
18989     \let\@cftasnumb \cfttabaftersnumb

```



```

18990     \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18991     {\cfttabfont #1}\nobreak
18992     \cfttabfillnum{#2}}
18993   \fi
18994 }
18995 \renewcommand{\@cftl@subfig}{
18996 \renewcommand*{\l@subfigure}[2]{%
18997   \ifnum \c@lofdepth > \toclevel@subfigure
18998     \vskip \cftbeforesubfigskip
18999     {\if@RTL\rightright\else\leftskip\fi \cftsubfigindent\relax
19000     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19001     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19002     \parindent \cftsubfigindent\relax\@afterindenttrue
19003     \interlinepenalty\@M
19004     \leavevmode
19005     \@tempdima \cftsubfignumwidth\relax
19006     \let\@cftbsnum \cftsubfigpresnum
19007     \let\@cftasnum \cftsubfigaftersnum
19008     \let\@cftasnumb \cftsubfigaftersnumb
19009     \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19010     {\cftsubfigfont ##1}\nobreak
19011     \cftsubfigfillnum{##2}}
19012   \fi
19013 }
19014 }
19015 \renewcommand{\@cftl@subtab}{
19016 \renewcommand*{\l@subtable}[2]{%
19017   \ifnum \c@lotdepth > \toclevel@subtable
19018     \vskip \cftbeforesubtabskip
19019     {\if@RTL\rightright\else\leftskip\fi \cftsubtabindent\relax
19020     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19021     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19022     \parindent \cftsubtabindent\relax\@afterindenttrue
19023     \interlinepenalty\@M
19024     \leavevmode
19025     \@tempdima \cftsubtabnumwidth\relax
19026     \let\@cftbsnum \cftsubtabpresnum
19027     \let\@cftasnum \cftsubtabaftersnum
19028     \let\@cftasnumb \cftsubtabaftersnumb
19029     \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19030     {\cftsubtabfont ##1}\nobreak
19031     \cftsubtabfillnum{##2}}
19032   \fi
19033 }
19034 }
19035 \renewcommand{\newlistentry}[4][\@empty]{%
19036   \@ifundefined{c@#2}{%      check & set the counter
19037     \ifx \@empty#1\relax
19038       \newcounter{#2}
19039     }

```




```

19040 \ifundefined{c@#1}{\PackageWarning{tocloft}%
19041     {#1 has no counter for use as a `within'}
19042     \newcounter{#2}}%
19043 {\newcounter{#2}[#1]%
19044     \expandafter\edef\csname the#2\endcsname{%
19045     \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
19046 \fi
19047 \setcounter{#2}{0}
19048 }
19049 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19050
19051 \namedef{1@#2}##1##2{%
19052     \ifnum \@nameuse{c@#3depth} > #4\relax
19053     \vskip \@nameuse{cftbefore#2skip}
19054     {\if@RTL\rightright\else\leftskip\fi \@nameuse{cft#2indent}\relax
19055     \if@RTL\leftskip\else\rightright\fi \@tocrmarg
19056     \parfillskip -\if@RTL\leftskip\else\rightright\fi
19057     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19058     \interlinepenalty\@M
19059     \leavevmode
19060     \@tempdima \@nameuse{cft#2numwidth}\relax
19061     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19062     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19063     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19064     \advance\if@RTL\rightright\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightright
19065     {\@nameuse{cft#2font}##1}\nobreak
19066     \@nameuse{cft#2fillnum}{##2}}
19067 \fi
19068 } % end of 1@#2
19069
19070 \expandafter\newlength\csname cftbefore#2skip\endcsname
19071 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2p}
19072 \expandafter\newlength\csname cft#2indent\endcsname
19073 \expandafter\newlength\csname cft#2numwidth\endcsname
19074 \ifcase #4\relax % 0
19075     \setlength{\@nameuse{cft#2indent}}{0em}
19076     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19077 \or % 1
19078     \setlength{\@nameuse{cft#2indent}}{1.5em}
19079     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19080 \or % 2
19081     \setlength{\@nameuse{cft#2indent}}{3.8em}
19082     \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19083 \or % 3
19084     \setlength{\@nameuse{cft#2indent}}{7.0em}
19085     \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19086 \else % anything else
19087     \setlength{\@nameuse{cft#2indent}}{10.0em}
19088     \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19089 \fi

```



```

19090 \@namedef{cft#2font}{\normalfont}
19091 \@namedef{cft#2presnum}{\}
19092 \@namedef{cft#2aftersnum}{\}
19093 \@namedef{cft#2aftersnumb}{\}
19094 \@namedef{cft#2dotsep}{\cftdotsep}
19095 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19096 \@namedef{cft#2pagefont}{\normalfont}
19097 \@namedef{cft#2afterpnum}{\}
19098 \@namedef{toclevel@#2}{#4}
19099 \@namedef{cft#2fillnum}##1{%
19100   {\@nameuse{cft#2leader}}\nobreak
19101   \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19102 } % end \newlistentry
19103 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
19104   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19105   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19106   \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19107   \textit{#1}\protect\par}}}

```

121 File tocbasic-xetex-bidi.def

```

19108 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19109 \bidi@undef\scr@dte@def@l@undottedtocline
19110 \bidi@undef\scr@dte@undottedtocline@init
19111 \DeclareTOCEntryStyle{undottedtocline}[{%
19112   \DefineTOCEntryLengthOption{indent}%
19113   {scr@tso@}{@indent}{entry indent}%
19114   \DefineTOCEntryLengthOption{numwidth}%
19115   {scr@tso@}{@numwidth}{entry number width}%
19116   \@ifundefined{#1tocdepth}{%
19117     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19118       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19119         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19120           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19121             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19122               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19123                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19124                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19125                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19126                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
19127                       \csname #1numdepth\endcsname
19128                     }%
19129                   }%
19130                 }%
19131               }%
19132             }%
19133           }%
19134         }%
19135       }%
19136     }%

```



```

19137 }{}%
19138 \@ifundefined{scr@tso@#1@indent}{%
19139   \@ifundefined{scr@#1@tocindent}{%
19140     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19141       \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19142         \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19143           \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19144             \scr@ifundefinedorrelax{1@chapter}{%
19145               \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19146                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19147                   \ifstr{#1}{subsubsection}{%
19148                     \@namedef{scr@tso@#1@indent}{3.8em}%
19149                   }{%
19150                     \ifstr{#1}{paragraph}{%
19151                       \@namedef{scr@tso@#1@indent}{7em}%
19152                     }{%
19153                       \ifstr{#1}{subparagraph}{%
19154                         \@namedef{scr@tso@#1@indent}{10em}%
19155                       }{%
19156                         }%
19157                       }%
19158                     }%
19159                   }%
19160                 }%
19161               }{%
19162                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19163                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19164                     \ifstr{#1}{subsubsection}{%
19165                       \@namedef{scr@tso@#1@indent}{7.0em}%
19166                     }{%
19167                       \ifstr{#1}{paragraph}{%
19168                         \@namedef{scr@tso@#1@indent}{10em}%
19169                       }{%
19170                         \ifstr{#1}{subparagraph}{%
19171                           \@namedef{scr@tso@#1@indent}{12em}%
19172                         }{%
19173                           }%
19174                         }%
19175                       }%
19176                     }%
19177                   }%
19178                 }%
19179               }%
19180             }%
19181           }%
19182         }%
19183       }{%
19184         \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19185       }%
19186     }{}%

```



```

19187 \@ifundefined{scr@tso@#1@numwidth}{%
19188   \@ifundefined{scr@#1@tocnumwidth}{%
19189     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19190       \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19191         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19192           \scr@ifundefinedorrelax{chapter}{%
19193             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19194               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19195                 \ifstr{#1}{subsubsection}{%
19196                   \@namedef{scr@tso@#1@numwidth}{3.2em}%
19197                 }{%
19198                   \ifstr{#1}{paragraph}{%
19199                     \@namedef{scr@tso@#1@numwidth}{4.1em}%
19200                   }{%
19201                     \ifstr{#1}{subparagraph}{%
19202                       \@namedef{scr@tso@#1@numwidth}{5em}%
19203                     }{%
19204                       }%
19205                     }%
19206                   }%
19207                 }%
19208               }%
19209             }{%
19210               \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19211                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19212                   \ifstr{#1}{subsubsection}{%
19213                     \@namedef{scr@tso@#1@numwidth}{3.1em}%
19214                   }{%
19215                     \ifstr{#1}{paragraph}{%
19216                       \@namedef{scr@tso@#1@numwidth}{5em}%
19217                     }{%
19218                       \ifstr{#1}{subparagraph}{%
19219                         \@namedef{scr@tso@#1@numwidth}{6em}%
19220                       }{%
19221                         }%
19222                       }%
19223                     }%
19224                   }%
19225                 }%
19226               }%
19227             }%
19228           }%
19229         }%
19230       }{%
19231         \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19232       }%
19233     }{}%
19234   }{}%
19235   \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \@ne \relax
19236     \ifnum \@nameuse{#1tocdepth} < \@ne

```



```

19237 \scr@ifundefinedorrelax{chapter}{%
19238 \addpenalty\@secpenalty
19239 \addvspace{1.0em \@plus\p@}%
19240 }{%
19241 \addpenalty{-\@highpenalty}%
19242 \vskip 1.0em \@plus\p@
19243 }%
19244 \else
19245 \addpenalty\@secpenalty
19246 \addvspace{1.0em \@plus\p@}%
19247 \fi
19248 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19249 \begingroup
19250 \parindent \z@ \bidi@rightskip \@pnumwidth
19251 \parfillskip -\@pnumwidth
19252 \leavevmode
19253 \bfseries
19254 \advance\bidi@leftskip\@tempdima
19255 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19256 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19257 ##1%
19258 \nobreak
19259 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19260 \par
19261 \penalty\@highpenalty
19262 \endgroup
19263 \fi
19264 }
19265
19266 \bidi@undef\scr@dte@def@l@largetocline
19267 \bidi@undef\scr@dte@largetocline@init
19268 \DeclareTOCEntryStyle{largetocline}[%
19269 \DefineTOCEntryLengthOption{indent}%
19270 {scr@tso@}{\@indent}{entry indent}%
19271 \@ifundefined{#1tocdepth}{%
19272 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19273 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19274 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19275 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19276 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19277 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19278 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19279 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19280 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19281 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19282 \csname #1numdepth\endcsname
19283 }%
19284 }%
19285 }%
19286 }%

```



```

19287         }%
19288     }%
19289 }%
19290 }%
19291 }%
19292 }{}%
19293 \@ifundefined{scr@tso@#1@indent}{%
19294     \@ifundefined{scr@#1@tocindent}{%
19295         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19296             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19297                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19298                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19299                         \scr@ifundefinedorrelax{1@chapter}{%
19300                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19301                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19302                                     \ifstr{#1}{subsubsection}{%
19303                                         \@namedef{scr@tso@#1@indent}{3.8em}%
19304                                     }{%
19305                                         \ifstr{#1}{paragraph}{%
19306                                             \@namedef{scr@tso@#1@indent}{7em}%
19307                                         }{%
19308                                             \ifstr{#1}{subparagraph}{%
19309                                                 \@namedef{scr@tso@#1@indent}{10em}%
19310                                             }{%
19311                                                 }%
19312                                             }%
19313                                         }%
19314                                     }%
19315                                 }%
19316                             }{%
19317                                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19318                                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19319                                         \ifstr{#1}{subsubsection}{%
19320                                             \@namedef{scr@tso@#1@indent}{7.0em}%
19321                                         }{%
19322                                             \ifstr{#1}{paragraph}{%
19323                                                 \@namedef{scr@tso@#1@indent}{10em}%
19324                                             }{%
19325                                                 \ifstr{#1}{subparagraph}{%
19326                                                     \@namedef{scr@tso@#1@indent}{12em}%
19327                                                 }{%
19328                                                     }%
19329                                                 }%
19330                                             }%
19331                                         }%
19332                                     }%
19333                                 }%
19334                             }%
19335                         }%
19336                     }%

```



```

19337     }%
19338   }{%
19339     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19340   }%
19341 }{}%
19342 }]{%
19343 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19344   \ifnum \@nameuse{#1tocdepth}<\@ne
19345     \scr@ifundefinedorrelax{chapter}{%
19346       \addpenalty\@secpenalty
19347       \addvspace{2.25em \@plus\p}%
19348     }{%
19349       \addpenalty{-\@highpenalty}%
19350       \addvspace{2.25em \@plus\p}%
19351     }%
19352   \else
19353     \addpenalty\@secpenalty
19354     \addvspace{2.25em \@plus\p}%
19355   \fi
19356   \setlength\@tempdima{3em}%
19357   \begingroup
19358     \parindent \z@ \bidi@rightskip \@pnumwidth
19359     \parfillskip -\@pnumwidth
19360     \leavevmode
19361     \large
19362     \bfseries
19363     \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19364     ##1%
19365     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19366     \par
19367     \nobreak
19368     \ifnum 0=
19369       \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19370       \global\@nobreaktrue
19371       \everypar{\global\@nobreakfalse\everypar{}}%
19372     \fi
19373   \endgroup
19374 \fi
19375 }
19376
19377 \renewcommand*{\scr@dte@tocline}[3]{%
19378   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19379   \else
19380     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19381     \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19382   {%
19383     \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19384     \bidi@rightskip \@tocrmarg
19385     \parfillskip -\bidi@rightskip
19386     \@nameuse{Ifscr@tso@#1@raggedpage}{%

```



```

19387      \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19388    }{}%
19389    \parindent \@nameuse{scr@tso@#1@indent}\relax
19390    \@afterindenttrue
19391    \interlinepenalty\@M
19392    \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19393      \addtolength\@bidi@rightskip\@flushglue
19394    \else
19395      \def\reserved@a{\raggedright}%
19396      \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19397        \addtolength\@bidi@rightskip\@flushglue
19398      \else
19399        \renewcommand\reserved@a{\raggedright}%
19400        \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19401          \addtolength\@bidi@rightskip\@flushglue
19402        \fi
19403      \fi
19404    \fi
19405    \leavevmode
19406    \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19407    \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19408      \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
19409        \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19410          \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19411        \fi
19412      }%
19413    }{}%
19414    \advance\@bidi@leftskip \@tempdima
19415    \null\nobreak\hskip -\@bidi@leftskip
19416    {%
19417      \usetocbasicnumberline
19418      \let\scr@dte@numberline@box\numberline@box
19419      \def\numberline@box##1{%
19420        \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19421      \global\scr@dte@tocline@numberwidth
19422      \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19423      \ifdim \scr@dte@tocline@numberwidth
19424        >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19425      \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19426      \fi
19427      \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19428        \ifdim \scr@dte@tocline@numberwidth
19429          >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19430            +\@nameuse{scr@tso@#1@numsep}\relax
19431          \PackageWarning{tocbasic}%
19432          }{%
19433            number width of #1 toc entries should be
19434            increased!\MessageBreak
19435            Currently used number width =
19436            \the\wd\scr@dte@tocline@numbox,\MessageBreak

```




```

19437          Wanted number separation
19438          \space\space\space =
19439          \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19440          Reserved number width \space\space\space\space\space\space =
19441          \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19442      }%
19443      \fi
19444  }%
19445  \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
19446  \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19447      {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19448  }{}%
19449  }%
19450  \@nameuse{scr@tso@#1@entryformat}{%
19451      #2%
19452      \nobreak
19453      {%
19454          \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
19455          \nobreak
19456          \@nameuse{scr@tso@#1@pagenumberbox}{%
19457              \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
19458          }%
19459      }%
19460      \@par
19461  }%
19462  }%
19463  }%
19464  \tocbasic@SetPenaltyByTOCLevel{#1}%
19465  \fi
19466 }
19467
19468 \bidi@undef\scr@dte@def@1@tocline
19469 \bidi@undef\scr@dte@tocline@init
19470 \DeclareTOCEntryStyle{tocline}[{%
19471     \DefineTOCEntryLengthOption{beforeskip}%
19472     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19473     \DefineTOCEntryIfOption{breakafternumber}%
19474     {scr@tso@}{@breakafternumber}{line break after number flag}%
19475     \DefineTOCEntryIfOption{dynnumwidth}%
19476     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19477     \DefineTOCEntryCommandOption{entryformat}%
19478     {scr@tso@}{@entryformat}[1]{entry format}%
19479     \DefineTOCEntryCommandOption{entrynumberformat}%
19480     {scr@tso@}{@numberformat}[1]{entry number format}%
19481     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19482     {scr@tso@}{@linefill}{filling between text and page number}%
19483     \DefineTOCEntryLengthOption{numsep}%
19484     {scr@tso@}{@numsep}{entry number separation}%
19485     \DefineTOCEntryCommandOption{onstarthigherlevel}%
19486     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%

```



```

19487 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19488   {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19489 \DefineTOCEntryCommandOption{onstartsamelevel}%
19490   {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19491 \DefineTOCEntryCommandOption{pagenumberbox}%
19492   {scr@tso@}{@pagenumberbox}[1]{page number box}%
19493 \DefineTOCEntryCommandOption{pagenumberformat}%
19494   {scr@tso@}{@pagenumberformat}[1]{page number format}%
19495 \DefineTOCEntryOption{raggedentrytext}[true]{%
19496   \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19497   \ifx\FamilyKeyState\FamilyKeyStateProcessed
19498     \if@tempswa
19499       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19500       \raggedright
19501     \else
19502       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19503       \relax
19504     \fi
19505   \fi
19506 }%
19507 \DefineTOCEntryIfOption{raggedpagenumber}%
19508   {scr@tso@}{@raggedpage}{page number ragged flag}%
19509 \DefineTOCEntryLengthOption{indent}%
19510   {scr@tso@}{@indent}{entry indent}%
19511 \DefineTOCEntryLengthOption{numwidth}%
19512   {scr@tso@}{@numwidth}{entry number width}%
19513 \scr@ifundefinedorrelax{#1tocdepth}{%
19514   \ifstrstart{#1}{sub}{%
19515     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19516       \expandafter\edef\csname #1tocdepth\endcsname{%
19517         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19518       }%
19519     }%
19520   }{}%
19521 }{}%
19522 \@ifundefined{#1tocdepth}{%
19523   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19524     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19525       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19526         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19527           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19528             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19529               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19530                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19531                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19532                     \expandafter\let\csname #1tocdepth\endcsname
19533                     \csname #1numdepth\endcsname
19534                   }%
19535                 }%
19536             }%

```



```

19537         }%
19538     }%
19539 }%
19540 }%
19541 }%
19542 }%
19543 }{}%
19544 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19545     \@ifundefined{scr@#1@tocindent}{%
19546         \ifstrstart{#1}{sub}{%
19547             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19548                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19549                 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19550                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19551                     \relax
19552                 }%
19553             }%
19554         }{%
19555             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19556                 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19557                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19558                     \relax
19559                 }%
19560             }{%
19561                 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19562                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19563                     +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19564                     \relax
19565                 }%
19566             }%
19567         }%
19568     }{}%
19569 }{%
19570     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19571 }%
19572 }{}%
19573 \@ifundefined{scr@tso@#1@indent}{%
19574     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19575     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19576     \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19577     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19578     \scr@ifundefinedorrelax{l@chapter}{%
19579     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19580     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19581     \ifstr{#1}{subsubsection}{%
19582         \@namedef{scr@tso@#1@indent}{3.8em}%
19583     }{%
19584         \ifstr{#1}{paragraph}{%
19585             \@namedef{scr@tso@#1@indent}{7em}%
19586         }{%

```



```

19587         \ifstr{#1}{subparagraph}{%
19588             \@namedef{scr@tso@#1@indent}{10em}%
19589         }{%
19590         }%
19591     }%
19592 }%
19593 }%
19594 }%
19595 }{%
19596     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19597         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19598             \ifstr{#1}{subsubsection}{%
19599                 \@namedef{scr@tso@#1@indent}{7.0em}%
19600             }{%
19601                 \ifstr{#1}{paragraph}{%
19602                     \@namedef{scr@tso@#1@indent}{10em}%
19603                 }{%
19604                     \ifstr{#1}{subparagraph}{%
19605                         \@namedef{scr@tso@#1@indent}{12em}%
19606                     }{%
19607                     }%
19608                 }%
19609             }%
19610         }%
19611     }%
19612 }%
19613 }%
19614 }%
19615 }%
19616 }%
19617 }{}%
19618 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19619     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19620         \ifstrstart{#1}{sub}{%
19621             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19622                 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19623                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19624                     +.9em%
19625                 }%
19626             }%
19627         }%
19628     }{}%
19629 }{%
19630     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19631 }%
19632 }{}%
19633 \@ifundefined{scr@tso@#1@numwidth}{%
19634     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19635     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19636     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%

```



```

19637 \scr@ifundefinedorrelax{chapter}{%
19638 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19639 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19640 \ifstr{#1}{subsubsection}{%
19641 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19642 }{%
19643 \ifstr{#1}{paragraph}{%
19644 \@namedef{scr@tso@#1@numwidth}{4.1em}%
19645 }{%
19646 \ifstr{#1}{subparagraph}{%
19647 \@namedef{scr@tso@#1@numwidth}{5em}%
19648 }{%
19649 }%
19650 }%
19651 }%
19652 }%
19653 }%
19654 }{%
19655 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19656 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19657 \ifstr{#1}{subsubsection}{%
19658 \@namedef{scr@tso@#1@numwidth}{3.1em}%
19659 }{%
19660 \ifstr{#1}{paragraph}{%
19661 \@namedef{scr@tso@#1@numwidth}{5em}%
19662 }{%
19663 \ifstr{#1}{subparagraph}{%
19664 \@namedef{scr@tso@#1@numwidth}{6em}%
19665 }{%
19666 }%
19667 }%
19668 }%
19669 }%
19670 }%
19671 }%
19672 }%
19673 }%
19674 }%
19675 }{}%
19676 \expandafter\renewcommand%
19677 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19678 \expandafter\renewcommand%
19679 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19680 \expandafter\renewcommand%
19681 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19682 \@ifundefined{scr@tso@#1@beforeskip}{%
19683 \ifstr{#1}{part}{%
19684 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@ \relax}%
19685 }{%
19686 \ifstr{#1}{chapter}{%

```



```

19687      \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19688    }{%
19689      \ifstr{#1}{section}{%
19690        \scr@ifundefinedorrelax{1@chapter}{%
19691          \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19692        }{}%
19693      }{}%
19694    }%
19695  }%
19696  \expandafter\renewcommand\expandafter*%
19697  \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19698 }{}%
19699 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19700   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19701   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19702 }{}%
19703 \renewcommand*\scr@dte@donumwidth{}%
19704 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19705 \expandafter\renewcommand\expandafter*%
19706 \csname scr@tso@#1@numsep\endcsname{.4em}%
19707 \expandafter\renewcommand%
19708 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19709 \ifstr{#1}{part}{%
19710   \expandafter\renewcommand%
19711   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19712 }{%
19713   \ifstr{#1}{chapter}{%
19714     \expandafter\renewcommand%
19715     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19716   }{%
19717     \scr@ifundefinedorrelax{1@chapter}{%
19718       \ifstr{#1}{section}{%
19719         \expandafter\renewcommand%
19720         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19721       }{}%
19722     }{}%
19723     \expandafter\renewcommand%
19724     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19725   }%
19726 }%
19727 \expandafter\renewcommand
19728 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19729 \@ifundefined{scr@tso@#1@linefill}{%
19730   \ifstr{#1}{part}{%
19731     \@namedef{scr@tso@#1@linefill}{\hfill}%
19732   }{%
19733     \ifstr{#1}{chapter}{%
19734       \@namedef{scr@tso@#1@linefill}{\hfill}%
19735     }{%
19736       \scr@ifundefinedorrelax{1@chapter}{%

```



```

19737         \ifstr{#1}{section}{%
19738             \@namedef{scr@tso@#1@linefill}{\hfill}%
19739         }{}
19740     }{}
19741     \expandafter\renewcommand%
19742     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19743 }%
19744 }%
19745 }{}%
19746 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19747 \ifstr{#1}{part}{%
19748     \expandafter\renewcommand%
19749     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19750 }{%
19751     \expandafter\renewcommand%
19752     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19753         {\normalfont\normalcolor ##1}}%
19754 }%
19755 \expandafter\renewcommand%
19756 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19757     \hb@xt@{\pnumwidth}{\hfil ##1}}%
19758 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19759 }{}%
19760 \scr@dte@tocline{#1}{##1}{##2}%
19761 }
19762

```

122 File tocstyle-xetex-bidi.def

```

19763 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19764 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19765     \let\numberline\tocstyle@numberline
19766     \ifnum #1>\c@tocdepth \else
19767         \if@tocstyle@penalties
19768             \begingroup
19769                 \@tempcnta 20010
19770                 \advance \@tempcnta by -#1
19771                 \ifnum \@tempcnta>\lastpenalty
19772                     \aftergroup\penalty\aftergroup\@lowpenalty
19773                 \fi
19774             \endgroup
19775         \fi
19776         \edef\tocstyledepth{#1}%
19777         \tocstyle@activate@features
19778         \ifx\tocstyle@feature@entryvskip\relax
19779             \vskip \z@ \@plus.2\p@
19780         \else
19781             \addvspace{\tocstyle@feature@entryvskip}%
19782         \fi
19783     }%

```



```

19784 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
19785 \tocstyle@feature@raggedhook
19786 \@tempdima #3\relax
19787 \@tempdimb #2\relax
19788 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19789 \ifnum #1>\z@\relax
19790 \@tempcnta #1\relax \advance\@tempcnta \m@ne
19791 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19792 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19793 \@tempdimb
19794 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19795 \advance\@tempdimb
19796 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19797 \fi
19798 \fi
19799 \fi
19800 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19801 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19802 \ifdim \@tempdimb>
19803 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19804 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19805 @#1\endcsname{\the\@tempdimb}%
19806 \fi
19807 \else
19808 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19809 @#1\endcsname{\the\@tempdimb}%
19810 \fi
19811 \iftocstyle@autolength
19812 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19813 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19814 \relax
19815 \fi
19816 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19817 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19818 \relax
19819 \fi
19820 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19821 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19822 \else
19823 \@tempdimb #2\relax
19824 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19825 \fi
19826 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19827 \ifdim \@tempdima>
19828 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19829 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19830 @\endcsname{\the\@tempdima}%
19831 \fi
19832 \else
19833 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC

```




```

19834      @\endcsname{\the\@tempdima}%
19835    \fi
19836    \ifcase\tocstyle@indentstyle\relax\else
19837      \@tempdimb \z@
19838      \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19839        \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19840        \relax
19841      \fi
19842      \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19843      \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19844    \fi
19845    \advance\parindent \@tempdimb\@afterindenttrue
19846    \advance\if@RTL\rightskip\else\leftskip\fi \parindent
19847    \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19848    \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19849    \ifx\tocstyle@feature@parfillskip\relax\else
19850      \advance\parfillskip \tocstyle@feature@parfillskip\relax
19851    \fi
19852    \interlinepenalty\@M
19853    \leavevmode
19854    \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19855    \null\nobreak
19856    \iftocstyle@indentnotnumbered\else
19857      \hskip -\if@RTL\rightskip\else\leftskip\fi
19858    \fi
19859    \tocstyle@feature@entryhook
19860    {#4}\nobreak
19861    \ifx\tocstyle@feature@leaders\relax
19862      \leaders\hbox{$\m@th
19863        \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
19864        \mkern \@dotsep mu$}\hfill
19865    \else
19866      \tocstyle@feature@leaders
19867    \fi
19868    \nobreak
19869    \ifx\tocstyle@feature@pagenumberbox\relax
19870      \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
19871    \else
19872      \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19873    \fi
19874    \par
19875  }%
19876  \iftocstyle@penalties
19877    \bgroup
19878    \@tempcnta 20009
19879    \advance\@tempcnta by -#1
19880    \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19881    \reserved@a
19882  \fi
19883 \fi}

```



```

19884 \renewcommand*{\tocstyle@numberline}[1]{%
19885   \begingroup
19886     \ifx\tocstyle@feature@spaceafternumber\relax
19887       \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
19888     \else
19889       \settowidth\@tempdima{\tocstyle@numberline{#1}}%
19890       \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19891     \fi
19892     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19893       \ifdim \@tempdima >
19894         \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19895         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19896           @\tocstyledepth\endcsname{\the\@tempdima}%
19897       \fi
19898     \else
19899       \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19900         @\tocstyledepth\endcsname{\the\@tempdima}%
19901     \fi
19902   \endgroup
19903   \iftocstyle@indentnotnumbered
19904     \hskip -\if@RTL\rightskip\else\leftskip\fi
19905   \fi
19906   \ifcase \tocstyle@indentstyle
19907     \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
19908   \or
19909     \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
19910   \else
19911     \ifx\tocstyle@feature@spaceafternumber\relax
19912       \hbox{\tocstyle@numberline{#1}\enskip}%
19913     \else
19914       \hbox{\tocstyle@numberline{#1}\hskip
19915         \tocstyle@feature@spaceafternumber\relax}%
19916     \fi
19917   \fi
19918 }
19919 \AtBeginDocument{%
19920   \ifcsname l@part\endcsname
19921     \ifcsname l@chapter\endcsname
19922       \setbox\@tempboxa\vbox{\hsize\maxdimen
19923         \l@part{\tocstyle@l@define{part}{-1}}{}}%
19924     \else
19925       \setbox\@tempboxa\vbox{\hsize\maxdimen
19926         \l@part{\tocstyle@l@define{part}{0}}{}}%
19927     \fi
19928   \fi
19929   \ifcsname l@chapter\endcsname
19930     \setbox\@tempboxa\vbox{\hsize\maxdimen
19931       \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19932   \fi
19933   \ifcsname l@section\endcsname

```



```

19934 \setbox\@tempboxa\vbox{\hsize\maxdimen
19935 \l@section{\tocstyle@l@define{section}{1}}{}}%
19936 \fi
19937 \ifcsname l@subsection\endcsname
19938 \setbox\@tempboxa\vbox{\hsize\maxdimen
19939 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19940 \fi
19941 \ifcsname l@subsubsection\endcsname
19942 \setbox\@tempboxa\vbox{\hsize\maxdimen
19943 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19944 \fi
19945 \ifcsname l@paragraph\endcsname
19946 \setbox\@tempboxa\vbox{\hsize\maxdimen
19947 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19948 \fi
19949 \ifcsname l@subparagraph\endcsname
19950 \setbox\@tempboxa\vbox{\hsize\maxdimen
19951 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19952 \fi
19953 \ifcsname l@table\endcsname
19954 \setbox\@tempboxa\vbox{\hsize\maxdimen
19955 \l@table{\tocstyle@l@define{table}{1}}{}}%
19956 \fi
19957 \ifcsname l@figure\endcsname
19958 \setbox\@tempboxa\vbox{\hsize\maxdimen
19959 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19960 \fi
19961 \def\@tempa#1#2#3#4#5{%
19962 \ifnum #1>\c@tocdepth \else
19963 \vskip \z@ \@plus.2\p@
19964 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
19965 \parindent #2\relax\@afterindenttrue
19966 \interlinepenalty\@M
19967 \leavevmode
19968 \@tempdima #3\relax
19969 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19970 {#4}\nobreak
19971 \leaders\hbox{$\m@th
19972 \mkern \dotsep mu\hbox{.}\mkern \dotsep
19973 mu$}\hfill
19974 \nobreak
19975 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19976 \par}%
19977 \fi}%
19978 \ifx\@dottedtocline\@tempa\else
19979 \tocstyle@macrochangewarning\@dottedtocline
19980 \fi
19981 \let\tocstyle@saved@dottedtocline\@dottedtocline
19982 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
19983 \ifx\numberline\@tempa\else

```



```

19984 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
19985 \ifx\numberline@tempa\else
19986 \tocstyle@macrochangewarning\numberline
19987 \fi
19988 \fi
19989 \let\tocstyle@saved@numberline\numberline
19990 }
19991 \renewcommand*{\tocstyle@l@define}[2]{%
19992 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
19993 \edef\@tempa{%
19994 \noexpand\global\noexpand\let
19995 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19996 \expandafter\noexpand\csname l@#1\endcsname
19997 \noexpand\gdef
19998 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19999 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20000 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
20001 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20002 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20003 }%
20004 }%
20005 \PackageInfo{tocstyle}{prepare \expandafter\string
20006 \csname l@#1\endcsname\space for redefinition}%
20007 \@tempa
20008 }

```

123 File todonotes-xetex-bidi.def

```

20009 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
20010 \newif\if@bidi@todonotes@textdirection@RTL
20011 \newif\if@bidi@todonotes@figposition@right
20012 \newcommand{\@bidi@todonotes@align}{}%
20013 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20014 \newcommand{\@bidi@todonotes@textdirection}{}%
20015 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1}
20016 \ifcase\@bidi@todonotes@tempb\relax
20017 \@bidi@todonotes@textdirection@RTLtrue
20018 \let\@bidi@todonotes@textdirection\RLE
20019 \or
20020 \@bidi@todonotes@textdirection@RTLfalse
20021 \let\@bidi@todonotes@textdirection\LRE
20022 \fi}
20023 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1}
20024 \ifcase\@bidi@todonotes@tempb\relax
20025 \@bidi@todonotes@figposition@righttrue
20026 \or
20027 \@bidi@todonotes@figposition@rightfalse
20028 \fi}
20029 \if@todonotes@disabled%
20030 \else % \if@todonotes@disabled

```



```

20031 \renewcommand{\@todonotes@drawInlineNote}{%
20032     \if@todonotes@dviStyle%
20033         {\par\noindent\begin{tikzpicture}[remember picture]%
20034             \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
20035         \if@todonotes@authorgiven%
20036             {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20037         \else%
20038             {\noindent \@todonotes@sizecommand \@todonotes@text}%
20039         \fi
20040         {\par\noindent\begin{tikzpicture}[remember picture]%
20041             \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
20042     \else%
20043         {\par\noindent\begin{tikzpicture}[remember picture]%
20044             \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20045             \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
20046                 \if@todonotes@authorgiven%
20047                 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20048                 \else%
20049                 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20050                 \fi};%
20051             \end{tikzpicture}\par}%
20052     \fi}%
20053 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20054 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20055     \node [coordinate] (inText) {}; %
20056 \end{tikzpicture}%
20057 \marginpar[{} Draw note in left margin
20058     \@todonotes@drawMarginNote%
20059     \if@RTL@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20060 }]{% Draw note in right margin
20061     \@todonotes@drawMarginNote%
20062     \if@RTL@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20063 }%
20064 }%
20065 \renewcommand{\@todonotes@drawMarginNote}{%
20066 \if@todonotes@dviStyle%
20067     \begin{tikzpicture}[remember picture]%
20068         \draw node[notestyle] {}; %
20069     \end{tikzpicture}\\%
20070     \begin{minipage}{\@todonotes@textwidth}%
20071         \if@todonotes@authorgiven%
20072             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20073         \else%
20074             \@todonotes@sizecommand \@todonotes@text%
20075         \fi%
20076     \end{minipage}\\%
20077     \begin{tikzpicture}[remember picture]%
20078         \draw node[notestyle] (inNote) {}; %
20079     \end{tikzpicture}%
20080 \else%

```



```

20081 \let\originalHbadness\hbadness%
20082 \hbadness 100000%
20083 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20084 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20085 \node(X){\vphantom{X}};%
20086 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20087 \if@todonotes@authorgiven%
20088 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand\@todonotes@author};%
20090 \node(Y)[below=of X]{};%
20092 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20094 \else%
20095 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20097 \fi%
20098 \end{tikzpicture}%
20099 \hbadness \originalHbadness%
20100 \fi}%
20101 \renewcommand{\missingfigure}[2][]{%
20102 \setkeys{todonotes}{#1}%
20103 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20104 \par
20105 \noindent
20106 \begin{tikzpicture}
20107 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20108 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20109 \if@bidi@todonotes@figposition@right%
20110 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20111 \fi%
20112 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20113 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20114 \if@bidi@todonotes@figposition@right%
20115 \end{scope}
20116 \begin{scope}[xshift=-3.8cm]
20117 \fi%
20118 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20119 \draw (2, -0.3) node[right, text
20120 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
20121 \if@bidi@todonotes@figposition@right%
20122 \end{scope}
20123 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20124 \fi%
20125 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20126 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20127 \if@bidi@todonotes@figposition@right%
20128 \end{scope}
20129 \fi%
20130 \end{tikzpicture}\hfill

```



```

20131}% Ending \missingfigure command
20132\fi % Ending \@todonotes@ifdisabled
20133\presetkeys%
20134    {todonotes}%
20135    {align=left,%
20136    textdirection=lefttoright,%
20137    figposition=left}{}%

```

124 File wrapfig-xetex-bidi.def

```

20138\ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20139\let\WF@everypar\bidi@n@everypar
20140\def\WF@putfigmaybe{%
20141\ifinner
20142  \vskip-\parskip \global\WF@floatfalse
20143  \let\pagetotal\maxdimen % kludge flag for "not top of page"
20144\else % outer page
20145  \@tempdima\pagedepth % save page depth
20146  {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20147  \penalty\interlinepenalty % update pg. parameters
20148  \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20149  \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20150    \global\WF@floatfalse
20151    \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20152  \else
20153    \ifdim\WF@size>\@tempdimb
20154      \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20155      \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20156      \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20157      \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20158      \advance\dimen@.5\baselineskip
20159      \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20160        \global\WF@floatfalse \pagebreak
20161      \fi
20162    \else % \WF@info{Fits in \the\@tempdimb;}%
20163      \global\WF@floatfalse
20164    \fi\fi
20165    \vskip\@tempdima\relax % (return erased page depth)
20166\fi
20167\noindent
20168\ifWF@float
20169  \WF@fltmes
20170\else % putting here;
20171  \WF@info{Put \WF@wfname here;}%
20172  {\ifodd\if@twoside\c@page\else\one\fi % assign l/r to i/o placement
20173   \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20174   \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20175  \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20176    \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20177    \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep

```



```

20178 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20179 \xdef\WF@adjlw{\the\@tempdima}%
20180 \ifnum `l=\WF@place % fig on left
20181 \if@RTL%
20182 \kern\@tempdimb \kern\columnsep
20183 \def\@tempa{\hss}% position to left of the gap
20184 \else%
20185 \hss % figure overlaps space to the left
20186 \def\@tempa{\kern\columnsep}% position to left of the gap
20187 \fi%
20188 \else % fig on right
20189 \if@RTL%
20190 \hss
20191 \@tempdima\z@
20192 \def\@tempa{\kern\columnsep}
20193 \else%
20194 \@tempdima\z@ % no left indentation
20195 \kern\@tempdimb \kern\columnsep
20196 \def\@tempa{\hss}% figure overlaps space to the right
20197 \fi%
20198 \fi
20199 \ifdim\@tempdimb<\hsize
20200 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20201 \xdef\WF@adjtlm{\the\@tempdima}%
20202 \else
20203 \xdef\WF@wrapil{\z@ \the\hsize}%
20204 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20205 \fi
20206 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20207 \global\advance\WF@size-\intextsep
20208 \else % \WF@info{Putting \WF@wfname in middle of page}%
20209 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20210 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20211 }% end \hbox to Opt
20212 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20213 \fi}

```

125 File xcolor-xetex-bidi.def

```

20214 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X]
20215 \long\def\color@b@x#1#2#3%
20216 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20217 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20218 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20219 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20220 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
20221 \def\normalcolor{\let\currentcolor\defaultcolor\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20222 \DeclareRobustCommand\color
20223 {\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
20224 \def\@undeclaredcolor[#1]#2%

```




```

20225 {\begingroup
20226   \let\@cls\@empty
20227   \XC@getmodclr12{#1}{#2}{}%
20228   {\ifblendcolors
20229     \ifx\colorblend\@empty\else
20230       \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
20231       \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
20232     \fi
20233   \fi
20234   \ifconvertcolorsU
20235     \edef\@tmp{\XC@tgt@mod{\@mod}}%
20236     \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20237   \fi
20238   \ifmaskcolors
20239     \convertcolorspec\@mod\@clr\XC@mmod\@clr
20240     \let\@mod\XC@mmod
20241     \XC@inflate\@mod\XC@mclr\@clr\@tmp
20242     \expandafter\XC@mul\@tmp,\@clr
20243   \fi
20244   \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20245   \expandafter\endgroup\@tmp}}
20246 \def\@declaredcolor#1%
20247 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20248   \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20249     \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20250     \ifconvertcolorsU\XC@tsttrue\fi
20251   \fi
20252   \if\XC@tst
20253     \expandafter\XC@declaredcolor\else
20254     \expandafter\XC@declaredc@lor\fi}
20255 \def\XC@undeclaredcolor#1#2%
20256 {\@ifundefinedmodel{#1}%
20257   {\c@lor@error{model `#1'}}%
20258   {\@nameuse{color@#1}\current@color{#2}}%
20259   \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20260   \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20261 \def\XC@declaredc@lor
20262 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
20263   \edef\current@color{\XC@current@color}%
20264   \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20265 \DeclareRobustCommand\bidicolor
20266 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20267 \def\@bidiundeclaredcolor[#1]#2%
20268 {\begingroup
20269   \let\@cls\@empty
20270   \XC@getmodclr12{#1}{#2}{}%
20271   {\ifblendcolors
20272     \ifx\colorblend\@empty\else
20273       \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
20274       \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr

```



```

20275     \fi
20276 \fi
20277 \ifconvertcolorsU
20278   \edef\@tmp{\XC@tgt@mod{\@mod}}%
20279   \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20280 \fi
20281 \ifmaskcolors
20282   \convertcolorspec\@mod\@clr\XC@mmod\@clr
20283   \let\@mod\XC@mmod
20284   \XC@inflate\@mod\XC@mclr\@clr\@tmp
20285   \expandafter\XC@mul\@tmp,\@clr
20286 \fi
20287 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20288 \expandafter\endgroup\@tmp}
20289 \def\XC@bidiundeclaredcolor#1#2%
20290 { \@ifundefinedmodel{#1}%
20291   {\c@lor@error{model `#1'}%
20292   {\@nameuse{color@#1}\current@color{#2}%
20293     \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20294     \XC@display}}
20295 \def\@bidideclaredcolor#1%
20296 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
20297   \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
20298     \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20299     \ifconvertcolorsU\XC@@tsttrue\fi
20300 \fi
20301 \ifXC@@tst
20302   \expandafter\XC@bidideclaredcolor\else
20303   \expandafter\XC@bidideclaredc@lor\fi}
20304 \def\XC@bidideclaredcolor
20305 {\XC@split\XC@tmp
20306   \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20307   \expandafter\endgroup\@tmp}
20308 \def\XC@bidideclaredc@lor
20309 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
20310   \edef\current@color{\XC@current@color}%
20311   \XC@display}
20312 \def\color@b@x#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20313 \def\color@fb@x#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20314 \def\color@fb@x#1#2#3#4%
20315 {\color@b@x{\fb@xsep\z@\bidicolor#1{#2}\XC@fb@x}%
20316   {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20317 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

126 File latex-xetex-bidi.def

```

20318 \ProvidesFile{latex-xetex-bidi.def}[2018/02/22 v1.3.3 bidi adaptations for `latex.ltx' for Xe
20319 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
20320 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
20321 \TeXXeTOn

```



```

20322 \def\ bidi@RTL@everypar{{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\
20323 \let\ bidi@o@everypar=\everypar
20324 \newtoks\ bidi@n@everypar
20325 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
20326 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
20327 \let\ everypar=\ bidi@n@everypar
20328 \def\ moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20329 \def\ moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20330 \protected\def\ hboxR{\hbox\bgroup
20331 \everyhbox{%
20332 \aftergroup\egroup
20333 \everyhbox{}}%
20334 \beginR
20335 \@hboxRconstructtrue
20336 \bgroup
20337 \aftergroup\endR
20338 \aftergroup\egroup
20339 }\hbox}
20340 \protected\def\ hboxL{\hbox\bgroup
20341 \everyhbox{%
20342 \aftergroup\egroup
20343 \everyhbox{}}%
20344 \beginL
20345 \@hboxRconstructfalse
20346 \bgroup
20347 \aftergroup\endL
20348 \aftergroup\egroup
20349 }\hbox}
20350 \protected\def\ vboxR{\vbox\bgroup
20351 \everyvbox{%
20352 \aftergroup\egroup
20353 \everyvbox{}}%
20354 \@RTLtrue
20355 \@RTLtabtrue
20356 \bgroup
20357 \aftergroup\egroup
20358 }\vbox}
20359 \protected\def\ vboxL{\vbox\bgroup
20360 \everyvbox{%
20361 \aftergroup\egroup
20362 \everyvbox{}}%
20363 \@RTLfalse
20364 \@RTLtabfalse
20365 \bgroup
20366 \aftergroup\egroup
20367 }\vbox}
20368 \newcommand*{\ bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
20369 \newcommand*{\ bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
20370 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20371 \def\endLTR{\par}

```



```

20372 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20373 \def\endRTL{\par}
20374 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20375 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20376 \let\unsetRTL=\setLTR
20377 \let\unsetLTR=\setRTL
20378 \let\LR=\LRE
20379 \let\RL=\RLE
20380 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20381 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20382 \let\@ensure@RL=\@ensure@RTL
20383 \let\@ensure@LR=\@ensure@LTR
20384 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20385 \let\@ensure@maindir=\@ensure@dir
20386 \def\@@RTL{RTL}
20387 \def\@@LTR{LTR}
20388 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
20389 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi}
20390 \let\@@TeX\TeX
20391 \def\TeX{\@ensure@LTR{\@@TeX}}
20392 \let\@@LaTeX\LaTeX
20393 \def\LaTeX{\@ensure@LTR{\@@LaTeX}}
20394 \let\@@LaTeXe\LaTeXe
20395 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
20396 \long\def\bidi@reflect@box#1{%
20397   \leavevmode
20398   \setbox\z@\hbox{#1}%
20399   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20400   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20401 }
20402 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
20403   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20404 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
20405   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
20406 \let\setRL=\setRTL
20407 \let\setLR=\setLTR
20408 \let\unsetRL=\setLTR
20409 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20410 \ifpackageloaded{array}{%
20411 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20412   \leavevmode
20413   \hbox \bgroup $\left.\col@sep\tabcolsep \let\d@llarbegin\begin\group
20414   \let\d@llarend\end\group
20415   \@tabarray}
20416 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20417 }{%
20418 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20419   \leavevmode \hbox \bgroup
20420   $\left.\let\@acol\@tabacol
20421   \let\@classz\@tabclassz

```



```

20422 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20423
20424 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20425 \egroup\right\rbrace $\egroup}}
20426 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20427 \ialign{###\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
20428 \renewenvironment{RTLcases}{%
20429 \bidi@matrix@check\RTLcases\env@RTLcases
20430 }{%
20431 \endbidi@tabular@RTLcases%
20432 }
20433 \def\env@RTLcases{%
20434 \let\@ifnextchar\bidi@new@ifnextchar
20435 \def\arraystretch{1.2}%
20436 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
20437 }
20438 \def\SepMark#1{\gdef\@SepMark{#1}}
20439 \SepMark{.}
20440 \def\@thmcountersep{\@SepMark}
20441 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20442 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20443 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20444 \newcommand*{\bidi@thebibliography@font@hook}{ }
20445 \def\list#1#2{%
20446 \ifnum \@listdepth >5\relax
20447 \toodeep
20448 \else
20449 \global\advance\@listdepth\@ne
20450 \fi
20451 \rightmargin\z@
20452 \listparindent\z@
20453 \itemindent\z@
20454 \csname @list\romannumeral\the\@listdepth\endcsname
20455 \def\@itemlabel{#1}%
20456 \let\makelabel\@mklab
20457 \@nmbrrlistfalse
20458 #2\relax
20459 \@trivlist
20460 \parskip\parsep
20461 \parindent\listparindent
20462 \advance\linewidth -\rightmargin
20463 \advance\linewidth -\leftmargin
20464 \if@bidi@list@minipage@parbox
20465 \if@RTL
20466 \advance\@totalleftmargin \leftmargin
20467 \else
20468 \advance\@totalleftmargin \rightmargin
20469 \fi
20470 \else
20471 \if@hboxRconstruct

```



```

20472 \if@bidi@list@minipage@parbox@not@nob
20473 \if@RTL
20474 \advance\@totalleftmargin \rightmargin
20475 \else
20476 \advance\@totalleftmargin \leftmargin
20477 \fi
20478 \else
20479 \if@RTL
20480 \advance\@totalleftmargin \leftmargin
20481 \else
20482 \advance\@totalleftmargin \rightmargin
20483 \fi\fi
20484 \else
20485 \if@RTL
20486 \advance\@totalleftmargin \rightmargin
20487 \else
20488 \advance\@totalleftmargin \leftmargin
20489 \fi\fi\fi
20490 \parshape \@ne \@totalleftmargin \linewidth
20491 \ignorespaces}
20492 \long\def\@iiiparbox#1#2[#3]#4#5{%
20493 \leavevmode
20494 \@pboxswfalse
20495 \if@hboxRconstruct
20496 \@bidi@list@minipage@parbox@not@nobtrue
20497 \fi
20498 \if@RTL
20499 \ifx#1t%
20500 \@bidi@list@minipage@parboxtrue
20501 \else
20502 \ifx#1b%
20503 \@bidi@list@minipage@parboxtrue
20504 \fi
20505 \fi
20506 \fi
20507 \setlength\@tempdima{#4}%
20508 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20509 \ifx\relax#2\else
20510 \setlength\@tempdimb{#2}%
20511 \edef\@parboxto{to\the\@tempdimb}%
20512 \fi
20513 \if#1b\vbox
20514 \else\if #1t\top
20515 \else\ifmmode\vcenter
20516 \else\@pboxswtrue $\vcenter
20517 \fi\fi\fi
20518 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20519 \csname bm@#3\endcsname}%
20520 \if@pboxsw \m@th$\fi
20521 \@end@tempboxa}

```



```

20522 \def\ bidi@lrbox#1{%
20523   \edef\reserved@a{%
20524     \endgroup
20525     \setbox#1\hbox{%
20526       \begingroup\aftergroup}%
20527     \def\noexpand\@currentenv{\@currentenv}%
20528     \def\noexpand\@currentvline{\on@line}}%
20529   \reserved@a
20530   \@endpfalse
20531   \color@begingroup
20532   \ignorespaces}
20533 \def\endbidi@lrbox{\unskip\color@endgroup}
20534 \newenvironment{LTRitems}
20535   {\par\@RTLfalse\@RTLtabfalse
20536    \if@bidi@list@minipage@parbox
20537    \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20538    \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20539    \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20540    \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20541    \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\ignorespaces}
20542    {\vskip\z@}
20543 \newenvironment{RTLitems}
20544   {\par\@RTLtrue\@RTLtabtrue
20545    \if@bidi@list@minipage@parbox
20546    \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20547    \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20548    \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20549    \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20550    \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\ignorespaces}
20551    {\vskip\z@}
20552 \newenvironment{LTRbibitems}
20553   {\par\@RTLfalse\@RTLtabfalse
20554    \if@bidi@list@minipage@parbox
20555    \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20556    \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20557    \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20558    \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20559    \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\ignorespaces}
20560    {\vskip\z@}
20561 \newenvironment{RTLbibitems}
20562   {\par\@RTLtrue\@RTLtabtrue
20563    \if@bidi@list@minipage@parbox
20564    \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20565    \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20566    \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20567    \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20568    \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\ignorespaces}
20569    {\vskip\z@}
20570 \def\raggedright{%
20571   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip

```



```

20572 \leftskip\z@skip
20573 \parindent\z@\parfillskip\z@skip}
20574 \let\bidiorig@raggedleft\raggedleft
20575 \let\bidiorig@raggedright\raggedright
20576 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidiorig@raggedright\else\if@hboxRcons
20577 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidiorig@raggedleft\else\if@hboxRcons
20578 \newcommand{\bidiorag@right}{\if@RTL\raggedleft\else\raggedright\fi}
20579 \newcommand{\bidiorag@left}{\if@RTL\raggedright\else\raggedleft\fi}
20580 \def\centerline#1{%
20581 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20582 \else\@@line{\hss#1\hss}\fi}
20583 \def\leftline#1{%
20584 \if@RTL\@@line{\beginR#1\endR\hss}
20585 \else\@@line{#1\hss}\fi}
20586 \def\rightline#1{%
20587 \if@RTL\@@line{\hss\beginR#1\endR}
20588 \else\@@line{\hss#1}\fi}
20589 \let\bidiorig@leftline\leftline
20590 \let\bidiorig@rightline\rightline
20591 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\i
20592 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
20593 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20594 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20595 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20596 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20597 \def\narrower{%
20598 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20599 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20600 \def\underline#1{%
20601 \relax
20602 \ifmmode\@@underline{#1}%
20603 \else
20604 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20605 \else
20606 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20607 \if@compatibility
20608 \let\undertext=\underline
20609 \fi
20610 \def\@tabular{%
20611 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20612 $\let\@acol\@tabacol
20613 \let\@classz\@tabclassz
20614 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20615 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20616 \egroup $\if@RTLtab\endR\fi\egroup}
20617 \expandafter \let \csname endtabular*\endcsname = \endtabular
20618 \def\@array[#1]#2{%
20619 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20620 \bgroup
20621 \setbox\@arstrutbox\hbox{%

```




```

20622 \vrule \@height\arraystretch\ht\strutbox
20623 \@depth\arraystretch \dp\strutbox
20624 \@width\z@}%
20625 \@mkpream{#2}%
20626 \edef\@preamble{%
20627 \ialign \noexpand\@halignto
20628 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20629 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20630 \let\tabularnewline\%
20631 \let\par\@empty
20632 \let\@sharp##%
20633 \set@typeset@protect
20634 \lineskip\z@skip\baselineskip\z@skip
20635 \ifhmode \@preamerr\z@ \@@par\fi
20636 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
20637 \@preamble}
20638 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20639 \let\@classiv\@arrayclassiv
20640 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20641 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20642 \ifnum \@lastchclass=3 5 \else
20643 \z@ \if #1c\@chnum \z@ \else
20644 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20645 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20646 \@chclass \if #1|\@ne \else
20647 \if #1@\tw@ \else
20648 \if #1p3 \else \z@ \@preamerr 0\fi
20649 \fi \fi \fi \fi \fi \fi
20650 \fi}
20651 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20652 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20653 \def\bm@t{\unhbox\@tempboxa\hss}
20654 \def\bm@b{\hss\unhbox\@tempboxa}
20655 \def\@dottedtocline#1#2#3#4#5{%
20656 \ifnum #1>\c@tocdepth \else
20657 \vskip \z@ \@plus.2\p@
20658 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmargin}
20659 \parindent #2\relax\@afterindenttrue
20660 \interlinepenalty\@M
20661 \leavevmode
20662 \@tempdima #3\relax
20663 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
20664 {#4}\nobreak
20665 \leaders\hbox{$\m@th
20666 \mkern \dotsep mu\hbox{.}\mkern \dotsep
20667 mu$}\hfill
20668 \nobreak
20669 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20670 \par}%
20671 \fi}

```



```

20672
20673 \newcount\ bidi@column@check@number
20674
20675 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20676
20677 \def\ bidi@set@column@status#1#2{%
20678   \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20679
20680 \if@twocolumn
20681 \newcommand\DetectColumn[3][1]{%
20682   \ifx\ bidi@firstcolumn@status@write\relax
20683     \PackageError{bidi}%
20684       {Option 'DetectColumn' not selected}%
20685       {\string\DetectColumn\space
20686        requires the use of the 'DetectColumn'
20687        option on the package}%
20688   \fi
20689   \global\advance\ bidi@column@check@number\@ne
20690   \edef\ bidi@column@type{\expandafter\ifx
20691     \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20692     0\else
20693     \csname bidi@column-\the\ bidi@column@check@number\endcsname
20694     \fi}%
20695   \ifcase \ bidi@column@type\relax
20696     \ifcase #1\or #2\or #3\fi    % 0 not known use first column as default
20697   \or
20698     #2%    % 1 First column
20699   \or
20700     #3%    % 2 Second (Last column)
20701   \else
20702     \ERROR
20703   \fi
20704   \edef\next{\write\@auxout
20705     {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
20706      {\ bidi@column@type}}}%
20707   \next
20708 }
20709
20710 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
20711   \ifnum #2=\ bidi@current@column@status\else
20712     \@tempwatrue
20713   \fi}%
20714 }
20715 \fi
20716
20717 \def\RTL@outputdblcol{%
20718   \if@firstcolumn
20719     \global\@firstcolumnfalse
20720     \global\setbox\@leftcolumn\copy\@outputbox
20721     \splitmaxdepth\maxdimen

```



```

20722 \vbadness\maxdimen
20723 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20724 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20725 \toks@\expandafter{\topmark}%
20726 \xdef\@firstcoltopmark{\the\toks@}%
20727 \toks@\expandafter{\splitfirstmark}%
20728 \xdef\@firstcolfirstmark{\the\toks@}%
20729 \ifx\@firstcolfirstmark\@empty
20730 \global\let\@setmarks\relax
20731 \else
20732 \gdef\@setmarks{%
20733 \let\firstmark\@firstcolfirstmark
20734 \let\topmark\@firstcoltopmark}%
20735 \fi
20736 \else
20737 \global\@firstcolumntrue
20738 \setbox\@outputbox\vbox{%
20739 \hb@xt@\textwidth{%
20740 \hskip \columnwidth
20741 \hfil
20742 {\normalcolor\vrule \@width\columnseprule}%
20743 \hfil
20744 \hb@xt@\columnwidth{%
20745 \bidi@firstcolumn@status@write%
20746 \box\@leftcolumn \hss}%
20747 \hskip -\textwidth
20748 \hb@xt@\columnwidth{%
20749 \bidi@lastcolumn@status@write%
20750 \box\@outputbox \hss}%
20751 \hskip \columnsep
20752 \hskip \columnwidth }}%
20753 \@combinedblfloats
20754 \@setmarks
20755 \@outputpage
20756 \begingroup
20757 \@dblfloatplacement
20758 \@startdblcolumn
20759 \@whilesw\if@fcolmade \fi{\@outputpage
20760 \@startdblcolumn}%
20761 \endgroup
20762 \fi}%
20763
20764 \def\LTR@outputdblcol{%
20765 \if@firstcolumn
20766 \global\@firstcolumnfalse
20767 \global\setbox\@leftcolumn\copy\@outputbox
20768 \splitmaxdepth\maxdimen
20769 \vbadness\maxdimen
20770 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20771 \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

20772 \toks@expandafter{\topmark}%
20773 \xdef\@firstcoltopmark{\the\toks@}%
20774 \toks@expandafter{\splitfirstmark}%
20775 \xdef\@firstcolfirstmark{\the\toks@}%
20776 \ifx\@firstcolfirstmark\@empty
20777   \global\let\@setmarks\relax
20778 \else
20779   \gdef\@setmarks{%
20780     \let\firstmark\@firstcolfirstmark
20781     \let\topmark\@firstcoltopmark}%
20782 \fi
20783 \else
20784   \global\@firstcolumntrue
20785   \setbox\@outputbox\vbox{%
20786     \hb@xt@\textwidth{%
20787       \hb@xt@\columnwidth{%
20788         \bidi@firstcolumn@status@write%
20789         \box\@leftcolumn \hss}%
20790       \hfil
20791       {\normalcolor\vrule \@width\columnseprule}%
20792       \hfil
20793       \hb@xt@\columnwidth{%
20794         \bidi@lastcolumn@status@write%
20795         \box\@outputbox \hss}}}%
20796 \@combinedblfloats
20797   \@setmarks
20798   \@outputpage
20799   \begingroup
20800     \@dblfloatplacement
20801     \@startdblcolumn
20802     \@whilesw\if@fcolmade \fi{\@outputpage
20803       \@startdblcolumn}%
20804   \endgroup
20805 \fi}%
20806
20807
20808 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20809 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20810 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20811 \def\LTRmarginpar{%
20812   \ifhmode
20813     \@bsphack
20814     \@floatpenalty -\@Mii
20815   \else
20816     \@floatpenalty-\@Miii
20817   \fi
20818   \ifinner
20819     \@parmoderr
20820     \@floatpenalty\z@
20821   \else

```



```

20822 \@next\@currbox\@freelist{ }{}%
20823 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20824 {\@floatpenalty\z@
20825 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20826 \fi
20827 \@ifnextchar [\@LTRxmpar\@LTRympar}
20828 \long\def\@LTRxmpar[#1]#2{%
20829 \@LTRsavemarbox\@marbox{#1}%
20830 \@LTRsavemarbox\@currbox{#2}%
20831 \@xympar}
20832 \long\def\@LTRympar#1{%
20833 \@LTRsavemarbox\@marbox{#1}%
20834 \global\setbox\@currbox\copy\@marbox
20835 \@xympar}
20836 \long\def \@LTRsavemarbox #1#2{%
20837 \global\setbox #1%
20838 \color@vbox
20839 \vtop{%
20840 \hsize\marginparwidth
20841 \@parboxrestore
20842 \@LTRmarginparreset
20843 #2%
20844 \@minipagefalse
20845 \outer@nobreak
20846 }%
20847 \color@endbox
20848 }
20849 \def \@LTRmarginparreset {%
20850 \reset@font
20851 \normalsize
20852 \@minipagetrue
20853 \everypar{\@minipagefalse\everypar{}\beginL}%
20854 }
20855 \def\RTLmarginpar{%
20856 \ifhmode
20857 \@bsphack
20858 \@floatpenalty -\@Mii
20859 \else
20860 \@floatpenalty-\@Miii
20861 \fi
20862 \ifinner
20863 \@parmoderr
20864 \@floatpenalty\z@
20865 \else
20866 \@next\@currbox\@freelist{ }{}%
20867 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20868 {\@floatpenalty\z@
20869 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20870 \fi
20871 \@ifnextchar [\@RTLxmpar\@RTLympar}

```



```

20872 \long\def\@RTLxmpar[#1]#2{%
20873   \@RTLSavemarbox\@marbox{#1}%
20874   \@RTLSavemarbox\@currbox{#2}%
20875   \@xympar}
20876 \long\def\@RTLympar#1{%
20877   \@RTLSavemarbox\@marbox{#1}%
20878   \global\setbox\@currbox\copy\@marbox
20879   \@xympar}
20880 \long\def \@RTLSavemarbox #1#2{%
20881   \global\setbox #1%
20882     \color@vbox
20883     \vtop{%
20884       \hsize\marginparwidth
20885       \@parboxrestore
20886       \@RTLmarginparreset
20887       #2%
20888       \@minipagefalse
20889       \outer@nobreak
20890     }%
20891   \color@endbox
20892 }
20893 \def \@RTLmarginparreset {%
20894   \reset@font
20895   \normalsize
20896   \@minipagetrue
20897   \everypar{\@minipagefalse\everypar{}\beginR}%
20898 }
20899 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20900   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20901   \if@twocolumn
20902     \if@firstcolumn \@tempcnta\m@ne \fi
20903   \else
20904     \if@mparswitch
20905       \ifodd\c@page \else\@tempcnta\m@ne \fi
20906     \fi
20907     \if@reversemargin \@tempcnta -\@tempcnta \fi
20908   \fi
20909   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20910   \@tempdima\@mparbottom
20911   \advance\@tempdima -\@pageht
20912   \advance\@tempdima\ht\@marbox
20913   \ifdim\@tempdima >\z@
20914     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
20915   \else
20916     \@tempdima\z@
20917   \fi
20918   \global\@mparbottom\@pageht
20919   \global\advance\@mparbottom\@tempdima
20920   \global\advance\@mparbottom\dp\@marbox
20921   \global\advance\@mparbottom\marginparpush

```



```

20922 \advance\@tempdima -\ht\@marbox
20923 \global\setbox \@marbox
20924         \vbox {\vskip \@tempdima
20925                 \box \@marbox}%
20926 \global \ht\@marbox \z@
20927 \global \dp\@marbox \z@
20928 \kern -\@pagedp
20929 \nointerlineskip
20930 \hb@xt@\columnwidth
20931     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
20932         \hskip\columnwidth \hskip\marginparsep
20933     \else
20934         \hskip -\marginparsep \hskip -\marginparwidth
20935     \fi
20936     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else\endL\fi}
20937 \nointerlineskip
20938 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20939 \long\def\@ympar#1{%
20940     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar\@RTLtrue\else\@LTRmarginpar\@LTRfalse\fi}%
20941     \global\setbox\@currbox\copy\@marbox
20942     \@xympar}
20943 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20944 \def\setLTRmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20945 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
20946 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20947     \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20948     \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20949         \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20950         \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20951             \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
20952     \fi}
20953
20954 \newcommand*{\@bidi@font@outputpage}{\@}
20955
20956 \def\@outputpage{%
20957     \begingroup          % the \endgroup is put in by \aftergroup
20958     \let \protect \noexpand
20959     \@resetactivechars
20960     \global\let\@if@newlist\if@newlist
20961     \global\@newlistfalse
20962     \@parboxrestore
20963     \global\let\bidi@BeforeOutputPageShipOut\@firstofone
20964     \bidi@beforeoutputpageshipouthook
20965     \shipout \vbox{%
20966         \set@typeset@protect
20967         \aftergroup \endgroup
20968         \aftergroup \set@typeset@protect
20969         % correct? or just restore by ending
20970         % the group?
20971     \if@specialpage

```



```

20972 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20973 \fi
20974 \if@twoside
20975 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20976 \if@RTLmain
20977 \let\@themargin\evensidemargin
20978 \else
20979 \let\@themargin\oddsidemargin
20980 \fi
20981 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20982 \if@RTLmain
20983 \let\@themargin\oddsidemargin
20984 \else
20985 \let\@themargin\evensidemargin
20986 \fi
20987 \fi
20988 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20989 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
20990 \else %% not @twoside
20991 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
20992 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
20993 \fi
20994 \reset@font
20995 \normalsize
20996 \bidi@font@@outputpage
20997 \normalsfcodes
20998 \let\label\@gobble
20999 \let\index\@gobble
21000 \let\glossary\@gobble
21001 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21002 \@beginndvi
21003 \vskip \topmargin
21004 \moveright\@themargin \vbox {%
21005 \global\let\@bidi@BeforeHeader\@firstofone
21006 \bidi@beforeheaderhook
21007 \setbox\@tempboxa \vbox to\headheight{%
21008 \vfil
21009 \color@hbox
21010 \normalcolor
21011 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
21012 \color@endbox
21013 }%
21014 \dp\@tempboxa \z@
21015 \box\@tempboxa
21016 \vskip \headsep
21017 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
21018 \bidi@beforeoutputboxoutputpagehook
21019 \box\@outputbox
21020 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
21021 \bidi@afteroutputboxoutputpagehook

```




```

21022 \ifvoid\@bidi@copyins@
21023 \else
21024 \vskip\skip\@bidi@copyins@
21025 \unvbox\@bidi@copyins@
21026 \fi
21027 \global\let\@bidi@BeforeFooter\@firstofone
21028 \bidi@beforefooterhook
21029 \baselineskip \footskip
21030 \color@hbox
21031 \normalcolor
21032 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@theft\if@RTL
21033 \color@endbox
21034 \global\let\@bidi@AfterFooter\@firstofone
21035 \bidi@afterfooterhook
21036 }%
21037 }%
21038 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
21039 \bidi@afteroutputpageshipouthook
21040 \global\let\if@newlist\@if@newlist
21041 \global \colht \textheight
21042 \stepcounter{page}%
21043 \let\firstmark\botmark
21044 \global\let\@bidi@AtEndOutputPage\@firstofone
21045 \bidi@atendoutputpagehook
21046 }
21047 \long\def\@makecaption#1#2{%
21048 \vskip\abovecaptionskip
21049 \sbox\@tempboxa{#1: #2}%
21050 \ifdim \wd\@tempboxa >\hsize
21051 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21052 \else
21053 \global \@minipagefalse
21054 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21055 \fi
21056 \vskip\belowcaptionskip}
21057 \let\@bidi@saved@eqno=\eqno
21058 \let\@bidi@saved@leqno=\leqno
21059 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
21060 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
21061 \ifpackageloaded{amsmath}{%
21062 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
21063 }
21064 \input{footnote-xetex-bidi.def}
21065 \if@twocolumn
21066 \let\autofootnoterule\relax
21067 \let\leftfootnoterule\relax
21068 \let\rightfootnoterule\relax
21069 \textwidthfootnoterule
21070 \fi
21071 \if@bidi@csundef{idxitem}{%

```



```

21072 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
21073 }
21074 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21075 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
21076 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21077 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21078 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21079 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21080 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21081 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
21082 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21083 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21084 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21085 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21086 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21087 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
21088 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21089 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21090 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21091 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21092 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21093 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21094 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21095 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21096 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21097 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
21098 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21099 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21100 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21101 \@ifpackageloaded{amsmath}{\%
21102 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21103 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21104 }
21105 \@ifpackageloaded{mathtools}{\%
21106 \RequirePackage{graphicx}%
21107 \input{mathtools-xetex-bidi.def}%
21108 }{}
21109 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21110 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21111 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21112 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21113 \@ifpackagewith{algorithm2e}{algonl}{\%
21114 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{Al
21115 }}{}
21116 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21117 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
21118 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
21119 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21120 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21121 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}

```



```

21122 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21123 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21124 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21125 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21126 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21127 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}{}}{}
21128 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21129 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21130 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21131 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21132 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21133 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{}{\input{float-xetex-bidi.def}}{}}{}
21134 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21135 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21136 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21137 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21138 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21139 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21140 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21141 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21142 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21143 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21144 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21145 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21146 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21147 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21148 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21149 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21150 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21151 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21152 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21153 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21154 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21155 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21156 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21157 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21158 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21159 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21160 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21161 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21162 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21163 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21164 \iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21165 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21166 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21167 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21168 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21169 \@ifpackagewith{sidecap}{innercaption}{%
21170 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21171 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {{#1}\hspace{\sidecaptionsep}{#2}}}

```



```

21172 \renewcommand*\SC@justify@caption{%
21173   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21174   \renewcommand*\SC@FLOAT}[2]{%
21175     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21176   \renewcommand*\SC@justify@caption{%
21177     \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21178 }{}
21179 @ifpackagewith{sidecap}{rightcaption}{%
21180   \ifRTL\renewcommand*\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
21181   \def\SC@justify@caption{\RaggedLeft}\else%
21182   \renewcommand*\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
21183   \def\SC@justify@caption{\RaggedRight}\fi%
21184 }{}
21185 @ifpackagewith{sidecap}{leftcaption}{%
21186   \ifRTL \renewcommand*\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
21187   \def\SC@justify@caption{\RaggedRight}\else%
21188   \renewcommand*\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
21189   \def\SC@justify@caption{\RaggedLeft}\fi%
21190 }{}
21191 \input{soul-xetex-bidi.def}}{}
21192 \input{stabular-xetex-bidi.def}}{}
21193 \input{subfigure-xetex-bidi.def}}{}
21194 \input{arydshln-xetex-bidi.def}}{}
21195 \input{mdframed-xetex-bidi.def}}{}
21196 \input{multicol-xetex-bidi.def}}{}
21197 \input{adjmulticol-xetex-bidi.def}}{}
21198 \input{multienum-xetex-bidi.def}}{}
21199 \input{natbib-xetex-bidi.def}}{}
21200 \input{newfloat-xetex-bidi.def}}{}
21201 \input{minitoc-xetex-bidi.def}}{}
21202 \input{picinpar-xetex-bidi.def}}{}
21203 \input{quotchap-xetex-bidi.def}}{}
21204 \input{ragged2e-xetex-bidi.def}}{}
21205 \input{rotating-xetex-bidi.def}}{}
21206 \input{tabls-xetex-bidi.def}}{}
21207 \input{tabulary-xetex-bidi.def}}{}
21208 \input{tcolorbox-xetex-bidi.def}}{}
21209 \input{tocstyle-xetex-bidi.def}}{}
21210 \input{tocbibind-xetex-bidi.def}}{}
21211 \input{tocloft-xetex-bidi.def}}{}
21212 \input{tc-xetex-bidi.def}}{}
21213 \input{todonotes-xetex-bidi.def}}{}

```

127 File xltextra-xetex-bidi.def

```

21214 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21215 \let\@XeTeX\XeTeX
21216 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21217 \let\@XeLaTeX\XeLaTeX
21218 \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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\% 11454	\@@LTR 15320, 15322, 20387, 20389	\@@makecaption 16862, 16941, 16963, 17442, 17521, 17543, 18125, 18204, 18226
\' 11574, 13570, 15470, 15484	\@@LaTeX 20392, 20393	\@@makefnmark . 16584, 16586, 17133, 17135, 17703, 17704, 17832, 17834
\(. 13671	\@@LaTeXe 20394, 20395	\@@math 6847
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