



The bidi Package

Source documentation for version 34.9

to my Master, Ferdowsi The Great

If you enjoy the bidi package and want to support the project, then please consider donating to the project. It allows me to spend more time working on the bidi package, encourages me to continue, and is the perfect way to say thank you!

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

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

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<https://sourceforge.net/p/persian-tex-dist/tickets>

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

Please note that most of my spare time is pretty much occupied by T_EX development and as a result, I am afraid that I can not help users on a regular basis. Therefore, I ask all users to not email me and ask for help. However, there is a Persian T_EX mailing list where everyone can discuss Persian T_EX related topics, ask and/or answer questions. This mailing list is the default media for Persian T_EX communications. I will try my best to answer questions on this mailing list whenever I have time. You can subscribe to the mailing list at

<http://tug.org/mailman/listinfo/persiantex>

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The *bid* Package

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

Source documentation for [version 34.9](#)

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October 12, 2018

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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     \@makefnmark%
46     \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
47
48 \long\def\@RTLfootnotetext#1{%
```



```

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

```



```

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

```

2 File adjmulticol-xetex-bidi.def

```

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

```



```

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

```

3 File algorithm2e-xetex-bidi.def

```

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

```




```

193 \fi
194 }{}{}
195 }

```

4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for L
197 \def\tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \@tempdima\csname r@tocindent\number#1\endcsname\relax
204 }{%
205 \@tempdima#4\relax
206 }%
207 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
208 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

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

```



```

290 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
291 \bidi@thebibliography@font@hook%
292 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode\.\=@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\ifRTL\righskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\righskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par
314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2018/01/08 v1.1 bidi adaptations for amsmath package for
327 \let\veqno=\eqno
328 \iftagsleft@ \let\veqno=\leqno \fi
329 \renewcommand{\numberwithin}[3][\arabic]{%
330 \@ifundefined{c@#2}{\nocounterr{#2}}{%
331 \@ifundefined{c@#3}{\nocnterr{#3}}{%
332 \@addtoreset{#2}{#3}%
333 \@xp\xdef\csname the#2\endcsname{%
334 \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
335 }
336 \def\tagform#1{\maketag@@@{\ifnonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italiccorr

```



6 File amstext-xetex-bidi.def

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

7 File amsthm-xetex-bidi.def

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

8 File array-xetex-bidi.def

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



```

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

```

9 File article-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```




```

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

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

11 File artikel2-xetex-bidi.def

```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```

12 File artikel3-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

13 File arydshln-xetex-bidi.def

```

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

```




```

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

```



```

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

```



```

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

```

14 File bidi.sty

```

1494 \NeedsTeXFormat{LaTeX2e}
1495 \def\bididate{2018/10/12}
1496 \def\bidiversion{34.9}
1497 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1498 Bidirectional typesetting in plain TeX and LaTeX]
1499 \edef\@bidi@info{*****^J%
1500 * ^J%
1501 * bidi package (Bidirectional typesetting in^J%
1502 * plain TeX and LaTeX, using XeTeX engine)^J%
1503 * ^J%
1504 * Description: A convenient interface for^J%
1505 * typesetting bidirectional texts in plain TeX^J%
1506 * and LaTeX. The package includes adaptations^J%
1507 * for use with many other commonly-used packages.^J%
1508 * ^J%
1509 * Copyright (c) 2009--2018 Vafa Khalighi^J%
1510 * ^J%

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

1811      /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
1812    }{}%
1813    >>%
1814  }%
1815 }

```

15 File `bidi.tex`

```

1816 \def\bididate{2018/10/12}
1817 \catcode`\@=11
1818 \def\bidi@version{34.9}
1819 \let \protect \relax
1820 \newlinechar`\^^J
1821 \edef\@bidi@info{*****^^J%
1822 * ^^J%
1823 * bidi package (Bidirectional typesetting in^^J%
1824 * plain TeX and LaTeX, using XeTeX engine)^^J%
1825 * ^^J%
1826 * Description: A convenient interface for^^J%
1827 * typesetting bidirectional texts in plain TeX^^J%
1828 * and LaTeX. The package includes adaptations^^J%
1829 * for use with many other commonly-used packages.^^J%
1830 * ^^J%
1831 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1832 * ^^J%
1833 * v\@bidi@version, \bididate^^J%
1834 * ^^J%
1835 * License: LaTeX Project Public License, version^^J%
1836 * 1.3c or higher (your choice)^^J%
1837 * ^^J%
1838 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1839 * ^^J%
1840 * Issue tracker: https://sourceforge.net/p/persian-tex-dist/tickets^^J%
1841 * ^^J%
1842 * Support: http://tug.org/mailman/listinfo/persiantex^^J%
1843 * ^^J%
1844 * *****}
1845 \message{\@bidi@info}
1846 \edef\bidi@everyjob{\the\everyjob}
1847 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1848 \def\bidiversion{%
1849   \relax
1850   \ifmmode
1851     \bidi@version
1852   \else
1853     $\bidi@version$
1854   \fi
1855 }
1856 \input iftex.sty
1857 \RequireXeTeX

```



```

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

```



```

1908 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
1909 \def\@bidi@pdfcreator{%
1910   The bidi package, v\@bidi@version, \biddate
1911 }
1912 \def\@bidi@pdfproducer{%
1913   The bidi package, v\@bidi@version, \biddate
1914 }
1915 \def\@bidi@pdfcustomproperties{%
1916   This is the bidi package, Version \@bidi@version,
1917   Released October 12, 2018.
1918 }
1919 \def\bidi@pdfm@mark{%
1920   \special{pdf:
1921     docinfo<<%
1922       \if\bidi@pdfm@mark
1923         /Creator(\@bidi@pdfcreator)%
1924         /Producer(\@bidi@pdfproducer)%
1925       \fi
1926       /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1927     >>%
1928   }%
1929 }
1930 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
1931 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
1932 \input plain-xetex-bidi.def
1933 \@bidi@inslogo@
1934 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark\end}
1935 \catcode`\@=12
1936 \bidipdfinfoon

```

16 File bidi2in1.sty

```

1937 \NeedsTeXFormat{LaTeX2e}
1938 \ProvidesPackage{bidi2in1}
1939 \pagestyle{plain}
1940 \newcount\evenpage
1941 \newcount\oddpge
1942 \twocolumn
1943 \def\@oddfont{\evenpage=\thepage%
1944 \multiply\evenpage by 2%
1945 \oddpge=\the\evenpage%
1946 \advance\oddpge by -1%
1947 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1948 \def\@evenfont{\evenpage=\thepage%
1949 \multiply\evenpage by 2%
1950 \oddpge=\the\evenpage%
1951 \advance\oddpge by -1%
1952 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1953 \textwidth 9.49in
1954 \textheight 6.7in

```



```

1955 \columnsep 0.9in
1956 \columnseprule 0.125pt
1957 \headheight 0cm
1958 \topmargin 0in
1959 \marginparwidth 0in
1960 \marginparsep 0in
1961 \hoffset 0.05in % Corrected
1962 \voffset -0.5in %top margin space is 1.0in by default
1963 \oddsidemargin 0in
1964 \evensidemargin 0in
1965 \headsep 0cm
1966 \topskip 0cm
1967 \parskip 0.15in %
1968 \headsep 0pt
1969 \special{papersize=11.69in,8.26in}
1970 \renewcommand\maketitle{\par
1971 \begingroup
1972 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1973 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1974 \long\def\@makefntext##1{\parindent 1em\noindent
1975 \hb@xt@1.8em{%
1976 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1977 \@maketitle
1978 \@thanks
1979 \endgroup
1980 \setcounter{footnote}{0}%
1981 \global\let\thanks\relax
1982 \global\let\maketitle\relax
1983 \global\let\@maketitle\relax
1984 \global\let\@thanks\@empty
1985 \global\let\@author\@empty
1986 \global\let\@date\@empty
1987 \global\let\@title\@empty
1988 \global\let\title\relax
1989 \global\let\author\relax
1990 \global\let\date\relax
1991 \global\let\and\relax
1992 }

```

17 File `bidicode.sty`

```

1993 \NeedsTeXFormat{LaTeX2e}
1994 \ProvidesPackage{bidicode}
1995 \RequirePackage{xcolor}
1996 \RequirePackage{showexpl}
1997 \definecolor{hellgelb}{rgb}{1,1,0.85}
1998 \definecolor{colKeys}{rgb}{0,0,1}
1999 \definecolor{colIdentifier}{rgb}{0,0,0}
2000 \definecolor{colComments}{rgb}{1,0,0}
2001 \definecolor{colString}{rgb}{0,0.5,0}

```



```

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

```



```

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

```



```

2102 \flushleft}
2103 {\@endparpenalty\@M
2104 \@topsepadd\BDefbelowskip
2105 \endflushleft}
2106
2107 \newenvironment{BCmd*}{
2108 \@beginparpenalty\@M
2109 \topsep\BDefinlineskip
2110 \fboxsep3pt
2111 \flushleft}
2112 {\@endparpenalty5000
2113 \endflushleft}
2114
2115 \newskip\BDefaboveskip
2116 \newskip\BDefbelowskip
2117 \newskip\BDefinlineskip
2118 \setlength\BDefaboveskip{10pt plus 4pt}
2119 \setlength\BDefbelowskip{6pt}
2120 \setlength\BDefinlineskip{6pt}
2121
2122 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2123 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
2124 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2125 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

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

```




```

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

```



```

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

```



```

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

```



```

2299 \let\@RTLfootnotetext\@RTLftntext
2300 \let\@xfootnotenext\@xftntext
2301 \let\@xfootnote\@xfootnote
2302 \let\@xLTRfootnotenext\@xLTRftntext
2303 \let\@xLTRfootnote\@xLTRfootnote
2304 \let\@xRTLfootnotenext\@xRTLftntext
2305 \let\@xRTLfootnote\@xRTLfootnote
2306 \hsize\columnwidth
2307 \@parboxrestore
2308 \@floatboxreset
2309 }
2310 \def \@endfloatbox{%
2311 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
2312 \@minipagefalse
2313 \outer@nobreak
2314 \egroup %% end of vbox
2315 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2316 \color@endbox
2317 }

```

19 File `bidimoderncv.cls`

```

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

```



```

2346 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2347 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2348 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2349 \newif\if@colour\@colourtrue
2350 \DeclareOption{nocolour}{\@colourfalse}
2351 \ExecuteOptions{a4paper,11pt,colour,final}
2352 \ProcessOptions\relax
2353 \input{size1\@ptsize.clo}
2354 \RequirePackage{color}
2355 \RequirePackage{graphicx}
2356 \RequirePackage{ifthen}
2357 \RequirePackage{marvosym}
2358 \addtolength{\oddsidemargin}{-54pt}
2359 \addtolength{\textwidth}{109pt}
2360 \addtolength{\topmargin}{-70pt}
2361 \addtolength{\textheight}{122pt}
2362 \addtolength{\marginparsep}{-5pt}
2363 \addtolength{\marginparwidth}{-10pt}
2364 \RequirePackage{url}
2365 \RequirePackage{hyperref}
2366 \hypersetup{%
2367   breaklinks,
2368   baseurl      = http://,%
2369   pdfborder    = 0 0 0,%
2370   pdfpagemode  = UseNone,%
2371   pdfstartpage = 1}
2372 \AtEndOfClass{%
2373   \AtBeginDocument{%
2374     \hypersetup{%
2375       pdfauthor    = \@firstname-\@familyname,%
2376       pdftitle     = \@title,%
2377       pdfsubject   = \@firstname-\@familyname,%
2378       pdfkeywords  = \@resumename-\@firstname-\@familyname}}}
2379 \urlstyle{tt}
2380 \RequirePackage{fancyhdr}
2381 \fancypagestyle{plain}{%
2382   \renewcommand{\headrulewidth}{0pt}
2383   \renewcommand{\footrulewidth}{0pt}
2384   \fancyhf{}}
2385 \pagestyle{plain}
2386 \setlength\lineskip{1\p@}
2387 \setlength\normallineskip{1\p@}
2388 \renewcommand\baselinestretch{}
2389 \setlength{\parindent}{0pt}
2390 \setlength{\parskip}{0pt}
2391 \setlength\columnsep{10\p@}
2392 \setlength\columnseprule{0\p@}
2393 \pagestyle{empty}
2394 \pagenumbering{arabic}
2395 \raggedbottom

```



```

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

```



```

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

```



```

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

```




```

2546 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2547 \bidi@thebibliography@font@hook%
2548 \begin{list}{\bibliographyitemlabel}%
2549 {%
2550 \setlength{\topsep}{0pt}%
2551 \setlength{\labelwidth}{\hintscolumnwidth}%
2552 \setlength{\labelsep}{\separatorcolumnwidth}%
2553 \leftmargin\labelwidth%
2554 \advance\leftmargin\labelsep%
2555 \@openbib@code%
2556 \usecounter{enumiv}%
2557 \let\p@enumiv\@empty%
2558 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2559 \sloppy\clubpenalty4000\widowpenalty4000%
2560 }%
2561 {%
2562 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2563 \end{list}%
2564 }
2565 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2566 \let\@openbib@code\@empty

```

20 File bidi-perpage.sty

```

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

```



```

2593     }%
2594     \fi
2595   }%
2596 }{}%
2597 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
2598   \global\advance\csname bidi@#2@count\endcsname\@ne
2599   \if@filesw
2600     \edef\@tempa{%
2601       \write\@auxout{%
2602         \string\bidi@counter@page{#2}%
2603         {\number\csname bidi@#2@count\endcsname}%
2604         {\noexpand\number\noexpand\bidi@page@count}%
2605       }%
2606     }%
2607     \@tempa
2608   \fi
2609 \begingroup\expandafter\expandafter\expandafter\endgroup
2610 \expandafter\ifx\csname bidi@#2@@\number\csname
2611 bidi@#2@count\endcsname\endcsname\relax
2612   \global\csname @bidi@reset@#2@reruntrue\endcsname
2613 \else
2614   \global\csname @bidi@reset@#2@rerunfalse\endcsname
2615   \expandafter\@tempcnta\csname bidi@#2@@\number
2616 \csname bidi@#2@count\endcsname\endcsname\relax
2617   \ifnum\@tempcnta=\csname
2618 bidi@previous@page@@#2@count\endcsname
2619 \else
2620   \global\csname
2621 bidi@previous@page@@#2@count\endcsname\@tempcnta
2622 \global\csname c@#2\endcsname#1\relax
2623 \fi
2624 \fi
2625 }%
2626 \expandafter\bidi@gappto\csname
2627 bidi@stepcounterhook@@#2\endcsname{%
2628   \csname bidi@reset@#2@perpage\endcsname
2629 }%
2630 }
2631 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@@#2}{#3}}
2632 \bidi@AtEndOutputPage{%
2633   \global\advance\bidi@page@count\@ne
2634 }

```

21 File biditools.sty

```

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

```



```

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

```



```

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

```



```

2740 \expandafter\def\csname\expandafter@gobbletwo\string#2%
2741 \expandafter@gobbletwo\string#3\endcsname
2742 {\let#2#3%
2743 \let#1#3}}
2744 \newcommand*\SetBoolean}[2]{%
2745 \lowercase{\def\@tempa{#2}}%
2746 \@ifundefined{\tempswa\@tempa}%
2747 {\PackageError{biditools}%
2748 {You can only set a boolean to `true' or `false'}\@ehc}%
2749 {\@ifundefined{#1\@tempa}%
2750 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2751 {\csname#1\@tempa\endcsname}}}
2752 \newcommand*\GlobalSetBoolean}[2]{%
2753 \lowercase{\def\@tempa{#2}}%
2754 \@ifundefined{\tempswa\@tempa}%
2755 {\PackageError{biditools}%
2756 {You can only set a boolean to `true' or `false'}\@ehc}%
2757 {\@ifundefined{#1\@tempa}%
2758 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2759 {\global\csname#1\@tempa\endcsname}}}
2760 \newcommand*\SetatBoolean}[2]{%
2761 \lowercase{\def\@tempa{#2}}%
2762 \@ifundefined{\tempswa\@tempa}%
2763 {\PackageError{biditools}%
2764 {You can only set a boolean to `true' or `false'}\@ehc}%
2765 {\@ifundefined{@#1\@tempa}%
2766 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2767 {\csname @#1\@tempa\endcsname}}}
2768 \newcommand*\GlobalSetatBoolean}[2]{%
2769 \lowercase{\def\@tempa{#2}}%
2770 \@ifundefined{\tempswa\@tempa}%
2771 {\PackageError{biditools}%
2772 {You can only set a boolean to `true' or `false'}\@ehc}%
2773 {\@ifundefined{@#1\@tempa}%
2774 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2775 {\global\csname @#1\@tempa\endcsname}}}
2776 \def\@bidi@removefromreset#1#2{%
2777 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2778 \def\@elt##1{%
2779 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2780 \else
2781 \noexpand\@elt{##1}%
2782 \fi}%
2783 \expandafter\xdef\csname cl@#2\endcsname{%
2784 \csname cl@#2\endcsname}}}
2785 \newcommand*\ifRtoL{%
2786 \ifRTL
2787 \expandafter\@firstoftwo
2788 \else
2789 \expandafter\@secondoftwo

```



```

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

```



```

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

```



```

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

```




```

2940
2941 \def\bidinewcommand#1[#2]{%
2942   \@ifnextchar[%
2943     {\bidixargdef#1[#2]}
2944     {\ifx\l@ngrel@x\relax
2945       \let\l@ngrel@x\protected
2946       \else
2947         \protected\def\l@ngrel@x{\protected\long}%
2948       \fi
2949       \@argdef#1[#2]}}
2950
2951 \long\def\bidixargdef#1[#2][#3]#4{%
2952   \@ifdefinable#1{%
2953     \expandafter\protected
2954     \expandafter\def
2955     \expandafter#1%
2956     \expandafter{%
2957       \expandafter\@testopt
2958       \csname\string#1\endcsname{#3}}}%
2959   \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
2960
2961 \bidinewrobustcmd*{\bidirennewrobustcmd}{\@star@or@long\bidirennew@command}
2962
2963 \def\bidirennew@command#1{%
2964   \if@bidi@undef{#1}
2965     {\biderror{\string#1 undefined}\@ehc}
2966     {}%
2967   \let\@ifdefinable\@rc@ifdefinable
2968   \bidinew@command#1}
2969
2970
2971
2972 \bidinewrobustcmd*{\bidiproviderobustcmd}{\@star@or@long\bidiprovide@command}
2973
2974 \def\bidiprovide@command#1{%
2975   \if@bidi@undef{#1}
2976     {\def\reserved@a{\bidinew@command#1}}
2977     {\def\reserved@a{\bidirennew@command\reserved@a}}%
2978   \reserved@a}
2979
2980 \newcommand*{\bidicsuse}[1]{%
2981   \ifcsname#1\endcsname
2982     \csname#1\endcsname\expandafter\endcsname
2983   \fi}
2984
2985 \newcommand{\bidieexpandonce}[1]{%
2986   \unexpanded\expandafter{#1}}
2987
2988 \def\bidiprotected{%
2989   \let\@@protect\protect

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

3490 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
3491
3492 % Lexicographic ordering
3493 % note the use of \def
3494 % also note the characters 0,127,255 that are used,
3495 % these are not supposed to appear in the strings
3496 %
3497 {\catcode0=12 \catcode255=12 \catcode127=12
3498 \gdef\bidistringbeforeNC#1#2{00\fi
3499 \bidicharsbefore#1^^@^^?#2^^ff^^?}
3500 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
3501 \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
3502 \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
3503 \else\ifnum\lccode`#1<\lccode`#3
3504 \def\bidinext{\csname iftrue\endcsname}%
3505 \else\ifnum\lccode`#1>\lccode`#3
3506 \def\bidinext{\csname iffalse\endcsname}%
3507 \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3508 \fi \fi \fi \fi
3509 \bidinext}
3510 \gdef\bidistringbefore#1#2{00\fi
3511 \bidicharsbefore#1^^@^^?#2^^ff^^?}
3512 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
3513 \ifnum`#1<`#3
3514 \def\bidinext{\csname iftrue\endcsname}%
3515 \else\ifnum`#1>`#3
3516 \def\bidinext{\csname iffalse\endcsname}%
3517 \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3518 \fi\fi
3519 \bidinext}
3520 }
3521
3522 % Null argument test
3523 %
3524 \def\bidiempty{}
3525 \def\bidiiifempty#1{00\fi\expandafter\ifx\csname bidi@#1>null\endcsname\bidii@null}
3526 \def\bidiiifemptyX#1{\expandafter\ifx\csname bidi@#1>null\endcsname\bidii@null}
3527 %\def\bidiiifempty#1{\def\bidics@a{#1}\ifx\bidics@a\bidiempty}
3528 \def\bidiiisemptylist#1{00\fi\def\bidics@a{#1}\ifx\cs@a\bidiempty}
3529
3530 % Next character test
3531 %
3532 \def\bidinextchar#1#2#3{00\fi
3533 \let\bidinxt@ch#1\def\bidinxt@a{#2}\def\bidinxt@b{#3}%
3534 \futurelet\bidinxt@c@\bidiiifnxtc}
3535 \def\bidiiifnextchar#1#2#3{%
3536 \let\bidinxt@ch#1\def\bidinxt@a{#2}\def\bidinxt@b{#3}%
3537 \futurelet\bidinxt@c@\bidiiifnxtc}
3538 \def\@bidiiifnxtc{\ifx\bidinxt@ch\bidinxt@c \expandafter\bidinxt@a
3539 \else \expandafter\bidinxt@b \fi}

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

22 File `bidituftefloat.sty`

```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```

23 File biditytfloatsidenote.sty

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

5284 %%
5285 % Set the default \cite style. This is set and reset by the \sidenote command.
5286 \let\cite\@bidityftesidenote@normal@cite
5287 \let\LTRcite\@bidityftelTRsidenote@normal@cite
5288 \let\RTLcite\@bidityfteRTLsidenote@normal@cite
5289 %%
5290 % Transform existing \footnotes into \sidenotes
5291 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
5292 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5293 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}%
5294 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}%
5295 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5296 % sidenote's text block.
5297 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnintext#1{\@textsuperscript{\@bidityftesidenote@sidenote@font}%
5298 % Set the in-text footnote mark in the same typeface as the body text itself.
5299 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@font}%
5300 \providecommand*\@multiplefootnotemark}{3sp}
5301 \providecommand*\@multfootsep}{,}
5302 \bidi@patch@AfterPackage{bidi}{\%
5303 \renewcommand{\@footnotemark}{\%
5304 \leavevmode\%
5305 \ifhmode\%
5306 \edef\@x@sf{\the\spacefactor}%
5307 \@bidityftesidenote@check@multiple@sidenotes\%
5308 \nobreak\%
5309 \fi\%
5310 \@makefnmark\%
5311 \ifhmode\spacefactor\@x@sf\fi\%
5312 \relax\%
5313 }%
5314 }
5315 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{\%
5316 \ifdim\lastkern=\@multiplefootnotemark\relax\%
5317 \edef\@x@sf{\the\spacefactor}%
5318 \unkern\%
5319 \textsuperscript{\@multfootsep}%
5320 \spacefactor\@x@sf\relax\%
5321 \fi
5322 }
5323 \bidi@patch@AfterPackage{bidi}{\%
5324 \renewcommand\@footnotetext[2][0pt]{\%
5325 \bidityftesidenotemarginpar{\%
5326 \hbox{\vspace*{#1}}\%
5327 \def\baselinestretch {\setspace@singlespace}%
5328 \reset@font\%
5329 \bidi@footnotetext@font\% \reset@font\footnotesize\%
5330 \@bidityftesidenote@margin@par\% use parindent and parskip settings for marginal text
5331 \vspace*{-1\baselineskip}\noindent\%
5332 \protected@edef\@currentlabel{\%
5333 \csname p@footnote\endcsname\@thefnmark\%

```




```

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

```



```

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

```



```

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

```



```

5484 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
5485 \@bidityftesidenote@print@citations%          print any citations
5486 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5487 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5488 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLc
5489 }
5490 \newcommand\LTRmarginnote[2][0pt]{%
5491   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5492   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
5493   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@b
5494   \@bidityftesidenote@print@citations%          print any citations
5495   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5496   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5497   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLc
5498 }
5499 \newcommand\RTLmarginnote[2][0pt]{%
5500   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5501   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
5502   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@b
5503   \@bidityftesidenote@print@citations%          print any citations
5504   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5505   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5506   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLc
5507 }

```

24 File bidityfttetoc.sty

```

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

```



```

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

```



```

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

```



```

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

```

25 File bidityftgeneralstructure.sty

```

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

```



```

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

```




```

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

```

26 File `bidituftehyperref.sty`

```

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

```



```

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

```

27 File bidituftetitle.sty

```

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

```



```

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

```



```

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

```



```

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

```

28 File bidentufte-handout.cls

```

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

```



5969 }

29 File bidentufte-book.cls

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



```

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

```

30 File bidipoem.sty

```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

31 File boek3-xetex-bidi.def

```

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

```



```

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

```



```

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

```




```

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

```



```

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

```

32 File boek-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

33 File `bookest-xetex-bidi.def`

```

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

```



```

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

```

34 File book-xetex-bidi.def

```

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

```



```

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

```



```

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

```




```

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

```



```

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

```

35 File breqn-xetex-bidi.def

```

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

```



```

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

```



```

7048 }%
7049 }

```

36 File cals-xetex-bidi.def

```

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

```

37 File caption-xetex-bidi.def



```

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

```

38 File caption3-xetex-bidi.def

```

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

```

39 File colortbl-xetex-bidi.def

```

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

```



40 File color-xetex-bidi.def

```

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

```

41 File combine-xetex-bidi.def

```

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

```



```

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

```

42 File crop-xetex-bidi.def

```

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

```



```

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

```




```

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

```

43 File cutwin-xetex-bidi.def

```

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

```



```

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

```

44 File cuted-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```

45 File cvthemebidicasual.sty

```

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

```



```

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

```



```

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

```

46 File cvthemebidiclassic.sty

```

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

```



```

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

```



```

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

```

47 File dblfnote-xetex-bidi.def

```

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

```



```

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

```



```

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

```




```

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

```



```

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

```

48 File diagbox-xetex-bidi.def

```

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

```



```

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

```



```

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

```

49 File draftwatermark-xetex-bidi.def

```

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

```

50 File eso-pic-xetex-bidi.def

```

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

```



```

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

```

51 File empheq-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

52 File extarticle-xetex-bidi.def

```

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

```




```

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

```



```

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

```



```

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

```



```

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

```

53 File extbook-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

54 File extletter-xetex-bidi.def

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



```

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

```

55 File extrafootnotefeatures-xetex-bidi.def

```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```

56 File extreport-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

57 File fancybox-xetex-bidi.def

```

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

```



```

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

```

58 File fancyhdr-xetex-bidi.def

```

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

```

59 File fix2col-xetex-bidi.def

```

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

```



```

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

```




```

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

```

60 File fleqn-xetex-bidi.def

```

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

```



```

10873     \endL\egroup
10874     \endtrivlist}

```

61 File float-xetex-bidi.def

```

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

```

62 File floatrow-xetex-bidi.def

```

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

```

63 File flowfram-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

64 File footnote-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```

65 File framed-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



66 File ftnright-xetex-bidi.def

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

```




```

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

```



```

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

```



```

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

```



67 File `graphicx-xetex-bidi.def`

File graphicx-xetex-bidi.def 243



```

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

```



```

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

```



```

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

```

68 File geometry-xetex-bidi.def

```

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

```



```

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

```

69 File hvfloat-xetex-bidi.def

```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

70 File hyperref-xetex-bidi.def

```

12269 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12270 \AtBeginDocument{%
12271 \def\contentsline#1#2#3#4{%
12272   \ifx\#4\%
12273     \csname l@#1\endcsname{#2}{#3}%
12274   \else
12275     \ifcase\Hy@linktoc % none
12276       \csname l@#1\endcsname{#2}{#3}%
12277     \or % section
12278       \csname l@#1\endcsname{%
12279         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12280       }{#3}%
12281     \or % page
12282       \csname l@#1\endcsname{{#2}}{%
12283         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12284       }%
12285     \else % all
12286       \csname l@#1\endcsname{%
12287         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12288       }{%
12289         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12290       }%
12291     \fi

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

12842         #3%
12843     }%
12844 }%
12845 \expandafter\x\LT@start\@nil
12846 }{}

```

71 File imspdoc-xetex-bidi.def

```

12847 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for ]
12848 \newenvironment{thebibliography}[1]{%
12849   \@bibtitlestyle
12850   \normalfont\bibliofont\labelsep .5em\relax
12851   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
12852   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12853   \bidi@thebibliography@font@hook
12854   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12855     \leftmargin\labelwidth \advance\leftmargin\labelsep
12856     \usecounter{enumiv}}%
12857   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12858   \sfcode\.=\@m
12859 }{}%
12860 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12861 \endlist
12862 }
12863
12864 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12865   \columnseprule\z@ \columnsep 35\p@
12866   \@indextitlestyle
12867   \thispagestyle{plain}%
12868   \let\item\@idxitem
12869   \parindent\z@ \parskip\z@\@plus.3\p@\relax
12870   \if@RTL\raggedleft\else\raggedright\fi
12871   \hyphenpenalty\@M
12872   \footnotesize}
12873 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12874 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12875 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12876
12877 \def\right@footnoterule{%
12878   \kern-.4\p@
12879   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12880   \kern11\p@\kern-\footnotesep}
12881 \def\left@footnoterule{\kern-.4\p@
12882   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12883 \def\@makefnmark{%
12884   \leavevmode
12885   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
12886 }
12887
12888 \def\part{\@startsection{part}{0}%

```



```

12889 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
12890 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12891 \def\@tocline#1#2#3#4#5#6#7{\relax
12892 \ifnum #1>\c@tocdepth % then omit
12893 \else
12894 \par \addpenalty\@secpenalty\addvspace{#2}%
12895 \begingroup \hyphenpenalty\@M
12896 \@ifempty{#4}{%
12897 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12898 }{%
12899 \@tempdima#4\relax
12900 }%
12901 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
12902 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12903 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12904 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12905 \nobreak
12906 \endgroup
12907 \fi}
12908 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12909 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12910 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12911 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12912 \def\maketitle{\par
12913 \@topnum\z@ % this prevents figures from falling at the top of page 1
12914 \@setcopyright
12915 \thispagestyle{firstpage}% this sets first page specifications
12916 \uppercase\nonmath\shorttitle
12917 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12918 \else \andify\shortauthors
12919 \fi
12920 \@maketitle@hook
12921 \begingroup
12922 \@maketitle
12923 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
12924 \toks4{\def\\{\ignorespaces}}% defend against questionable usage
12925 \edef\@tempa{%
12926 \@nx\markboth{\the\toks4
12927 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12928 \@tempa
12929 \endgroup
12930 \c@footnote\z@
12931 \clearatopmatteredtags
12932 }

```

72 File legno-xetex-bidi.def

```

12933 \ProvidesFile{legno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for legno tag for XeTeX]
12934 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
12935 \rlap{\hskip -\displaywidth

```



12936

{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

73 File letter-xetex-bidi.def

```

12937 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
12938 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
12939   \thispagestyle{firstpage}%
12940   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12941 \else % home address
12942   \thispagestyle{empty}%
12943   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}{l}
12944     \fromaddress \*[2\parskip]%
12945     \@date \end{tabular}\par}%
12946 \fi
12947 \vspace{2\parskip}%
12948 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\toaddress \par}%
12949 \vspace{2\parskip}%
12950 #1\par\nobreak}
12951 \renewcommand\left@footnoterule{%
12952   \kern-\p@
12953   \hrule \@width .4\columnwidth
12954   \kern .6\p@}
12955 \renewcommand\right@footnoterule{%
12956   \kern-\p@
12957   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12958   \kern .6\p@}

```

74 File lettrine-xetex-bidi.def

```

12959 \ProvidesFile{lettrine-xetex-bidi.def}[2018/10/01 v0.6 bidi adaptations for lettrine package]
12960 \def\@lettrine[#1]#2#3{%
12961   \def\l@initial{#2}\let\l@refstring\l@initial
12962   \setcounter{L@lines}{\value{DefaultLines}}%
12963   \setcounter{L@depth}{\value{DefaultDepth}}%
12964   \renewcommand*{\L@hang}{\DefaultLhang}%
12965   \renewcommand*{\L@oversize}{\DefaultLoversize}%
12966   \renewcommand*{\L@raise}{\DefaultLraise}%
12967   \renewcommand*{\L@ante}{}%
12968   \setlength{\L@Findent}{\DefaultFindent}%
12969   \setlength{\L@Nindent}{\DefaultNindent}%
12970   \setlength{\L@slope}{\DefaultSlope}%
12971   \setlength{\L@novskip}{\DiscardVskip}%
12972   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12973   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12974   \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
12975   \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
12976   \setkeys{L}{#1}%
12977   \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
12978   \ifL@realh
12979     \def\@tempa{#3}%

```



```

12980 \ifx\@tempa\@empty
12981 \PackageWarning{lettrine.sty}%
12982 {Empty second argument,\MessageBreak
12983 ignoring option `realheight';}%
12984 \else
12985 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12986 \fi
12987 \fi
12988 \if\DefaultOptionsFile\relax
12989 \else
12990 \begingroup
12991 \InputIfFileExists{\DefaultOptionsFile}%
12992 {}%
12993 {\PackageWarning{lettrine.sty}%
12994 {File \DefaultOptionsFile\space not found}%
12995 }%
12996 \def\color##1##{\l@color{##1}}%
12997 \let\l@color\@gobbletwo
12998 \def\textcolor##1##{\l@textcolor{##1}}%
12999 \def\l@textcolor##1##2##3{##3}%
13000 \expandafter\ifx\csname l@#2-keys\endcsname\relax
13001 \gdef\l@LOKeys{}%
13002 \else
13003 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
13004 \fi
13005 \endgroup
13006 \def\KV@prefix{KV@L@}%
13007 \let\@tempc\relax
13008 \expandafter\KV@do\l@LOKeys,\relax,
13009 \setupL@lbox
13010 \setlength{\LettrineWidth}{\wd\L@lbox}%
13011 \def\KV@prefix{KV@L@}%
13012 \let\@tempc\relax
13013 \expandafter\KV@do\l@LOKeys,\relax,
13014 \setkeys{L}{#1}%
13015 \fi
13016 \setupL@lbox
13017 \setlength{\LettrineWidth}{\wd\L@lbox}%
13018 \setlength{\LettrineHeight}{\ht\L@lbox}%
13019 \setlength{\LettrineDepth}{\dp\L@lbox}%
13020 \begingroup
13021 \def\IeC##1{##1}%
13022 \@tempdima=\L@oversize pt\relax
13023 \PackageInfo{lettrine.sty}%
13024 {Targeted height = \the\L@target@tth\MessageBreak
13025 (no accent, loversize=0),\MessageBreak
13026 Lettrine height = \the\LettrineHeight\space (#2)%
13027 \ifdim\@tempdima=z@\else\space loversize=\L@oversize\fi;%
13028 \MessageBreak reported}%
13029 \endgroup

```



```

13030 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13031 \setlength{\L@first}{\LettrineHeight}%
13032 \setlength{\L@lraise}{\L@raise\L@target@ttht}%
13033 \addtolength{\L@first}{\L@lraise}%
13034 \ifnum\value{L@lines}=1
13035   \addtolength{\L@first}{-\ht\L@tbox}%
13036 \else
13037   \addtolength{\L@first}{-\L@target@ttht}%
13038   \addtolength{\L@lraise}{-\L@target@dp}%
13039 \fi
13040 \par
13041 \ifdim\L@first>\L@novskip
13042   \ifL@grid
13043     \@tempdima=\baselineskip
13044     \@tempdimb=\@tempdima
13045     \advance\@tempdimb by \L@novskip
13046     \@tempcnta=1
13047     \loop\ifdim\L@first>\@tempdimb
13048       \advance\@tempcnta by 1
13049       \advance\L@first by -\@tempdima
13050     \repeat
13051     \L@first=\@tempcnta\baselineskip
13052   \fi
13053   \vskip\L@first
13054 \fi
13055 \setlength{\L@Pindent}{\wd\L@lbox}%
13056 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
13057 \settowidth{\L@first}{\L@ante}%
13058 \addtolength{\L@Pindent}{\L@first}%
13059 \addtolength{\L@Pindent}{\L@Findent}%
13060 \setlength{\L@first}{\linewidth}%
13061 \addtolength{\L@first}{-\L@Pindent}%
13062 \addtolength{\L@Nindent}{\L@Pindent}%
13063 \setlength{\L@next}{\linewidth}%
13064 \addtolength{\L@next}{-\L@Nindent}%
13065 \addtolength{\L@Pindent}{\rightmargin}%
13066 \addtolength{\L@Nindent}{\rightmargin}%
13067 \addtocounter{L@lines}{1}%
13068 \addtocounter{L@lines}{\value{L@depth}}%
13069 \if@RTL
13070   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13071 \else
13072   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
13073 \fi
13074 \@tempcnta=\tw@
13075 \@whilenum \@tempcnta<\c@L@lines\do{%
13076   \if@RTL
13077     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
13078   \else
13079     \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%

```



```

13080 \fi
13081 \addtolength{\L@Nindent}{\L@slope}%
13082 \addtolength{\L@next}{-\L@slope}%
13083 \advance\@tempcnta\@ne}%
13084 \if@RTL
13085 \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
13086 \else
13087 \edef\L@parshape{\L@parshape \rightmargin \the\linewidth}%
13088 \fi
13089 \noindent
13090 \parshape=\L@parshape\relax
13091 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
13092 \hskip \the\L@Findent}}%
13093 \usebox{\L@tbox}%
13094 }

```

75 File lineno-xetex-bidi.def

```

13095 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for X
13096 \bidi@patchcmd{\MakeLineNo}{%
13097 \hb@xt@\z@{\makeLineNumber}%
13098 }{%
13099 \hboxL to \z@{\makeLineNumber}%
13100 }{}{}
13101
13102 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
13103 \if@RTL
13104 \hb@xt@\linenumberwidth{\LineNumber\hss}%
13105 \else
13106 \LineNumber
13107 \fi
13108 }{}{}
13109
13110 \bidi@patchcmd{\makeLineNumberRight}{%
13111 \hb@xt@\linenumberwidth{\hss\LineNumber}%
13112 }{%
13113 \if@RTL
13114 \LineNumber
13115 \else
13116 \hb@xt@\linenumberwidth{\hss\LineNumber}%
13117 \fi
13118 }{}{}
13119
13120 \bidi@AfterPreamble{%
13121 \if@RTLmain
13122 \rightlinenumbers*
13123 \else
13124 \leftlinenumbers*
13125 \fi
13126 \@ifpackagewith{lineno}{left}{%

```



```

13127 \leftlinenumbers*
13128 }{}
13129 \@ifpackagewith{lineno}{right}{%
13130 \rightlinenumbers*
13131 }{}
13132 }
13133

```

76 File listings-xetex-bidi.def

```

13134 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
13135 \lst@Key{captiondirection}{textdirection}{%
13136 \lstKV@SwitchCases{#1}%
13137 {textdirection:\\%
13138 RTL:\chardef\bidi@lst@caption@direction\@ne\\%
13139 LTR:\chardef\bidi@lst@caption@direction\z@%
13140 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13141
13142 \lst@Key{captionscript}{textscript}{%
13143 \lstKV@SwitchCases{#1}%
13144 {textscript:\\%
13145 latin:\chardef\bidi@lst@caption@script\@ne\\%
13146 nonlatin:\chardef\bidi@lst@caption@script\z@%
13147 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13148
13149 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
13150 \@ifundefined{bidi@lst@caption@direction}{}{%
13151 \ifnum\bidi@lst@caption@direction=\z@%
13152 #1%
13153 \else%
13154 \ifnum\bidi@lst@caption@direction=\@ne%
13155 #2%
13156 \fi%
13157 \fi%
13158 }}
13159
13160 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
13161 \@ifundefined{bidi@lst@caption@script}{}{%
13162 \ifnum\bidi@lst@caption@script=\z@%
13163 #1%
13164 \else%
13165 \ifnum\bidi@lst@caption@script=\@ne%
13166 #2%
13167 \fi%
13168 \fi%
13169 }}
13170
13171 \long\def\bidi@lst@makecaption#1#2{%
13172 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13173 \vskip\abovcaptionskip

```




```

13174 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13175 \sbox\@tempboxa{%
13176 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
13177 #1: #2%
13178 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
13179 }%
13180 \ifdim \wd\@tempboxa >\hsize
13181 #1: #2\par
13182 \else
13183 \global \@minipagefalse
13184 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13185 \fi
13186 \vskip\belowcaptionskip}%
13187 \def\lst@makecaption{\@bidi@lst@makecaption}
13188 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
13189 \bidi@AtEndPreamble{%
13190 \bidi@patchcmd{\lst@MakeCaption}{%
13191 \ifx #1%
13192 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13193 \expandafter\refstepcounter
13194 \fi {lstlisting}}%
13195 }{%
13196 \ifx #1%
13197 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13198 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13199 \expandafter\refstepcounter
13200 \fi {lstlisting}}%
13201 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13202 }{}{}%
13203 \bidi@patchcmd{\lst@MakeCaption}{%
13204 \addcontentsline{lol}{lstlisting}%
13205 {\protect\numberline{\thelstlisting}\lst@@caption}%
13206 }{%
13207 \begingroup%
13208 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13209 \addcontentsline{lol}{lstlisting}%
13210 {\protect\numberline{\thelstlisting}\lst@@caption}%
13211 \endgroup%
13212 }{}{}%
13213 }
13214 \ifpackageloaded{caption}{%
13215 \AtBeginCaption{%
13216 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13217 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13218 }
13219 \let\@bidi@lst@makecaption\caption@makecaption%
13220 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
13221 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
13222 }{%
13223 \AtBeginDocument{%

```



```

13224 \ifundefined{captionlabelfalse}{\%
13225   \def\lst@maketitle{\captionlabelfalse\@bidi\lst@makecaption\@empty}}%
13226 \ifundefined{caption@startrue}{\%
13227   \def\lst@maketitle{\caption@startrue\@bidi\lst@makecaption\@empty}}%
13228 }%
13229 }
13230 \AtBeginDocument{
13231   \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{%
13232     \lst@ifnumberbychapter
13233       \gdef\thelstlisting%
13234         {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13235   \else
13236     \gdef\thelstlisting{\@arabic\c@lstlisting}
13237   \fi}

```

77 File loadingorder-xetex-bidi.def

```

13238 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13239 \bidi@isloaded{amsmath}
13240 \bidi@isloaded{amstext}
13241 \bidi@isloaded{amsthm}
13242 \bidi@isloaded{animate}
13243 \bidi@isloaded{breqn}
13244 \bidi@isloaded{cals}
13245 \bidi@isloaded{caption}
13246 \bidi@isloaded{crop}
13247 \bidi@isloaded{cuted}
13248 \bidi@isloaded{cutwin}
13249 \bidi@isloaded{color}
13250 \bidi@isloaded{dblfnote}
13251 \bidi@isloaded{diagbox}
13252 \bidi@isloaded{xcolor}
13253 \bidi@isloaded{colortbl}
13254 \bidi@isloaded{float}
13255 \bidi@isloaded{floatrow}
13256 \bidi@isloaded{flowfram}
13257 \bidi@isloaded{framed}
13258 \bidi@isloaded{ftnright}
13259 \bidi@isloaded{xltextra}
13260 \bidi@isloaded{xunicode}
13261 \bidi@isloaded{wrapfig}
13262 \bidi@isloaded{graphicx}
13263 \bidi@isloaded{geometry}
13264 \bidi@isloaded{hvfloat}
13265 \bidi@isloaded{mdframed}
13266 \bidi@isloaded{midfloat}
13267 \bidi@isloaded{ntheorem}
13268 \bidi@isloaded{ntheorem-hyper}
13269 \bidi@isloaded{hyperref}
13270 \bidi@isloaded{fancybox}

```



```

13271 \bidi@isloaded{fancyhdr}
13272 \bidi@isloaded{fix2col}
13273 \bidi@isloaded{draftwatermark}
13274 \bidi@isloaded{empheq}
13275 \bidi@isloaded{overpic}
13276 \bidi@isloaded{pdfpages}
13277 \bidi@isloaded{listings}
13278 \bidi@isloaded{lettrine}
13279 \bidi@isloaded{lineno}
13280 \bidi@isloaded{media9}
13281 \bidi@isloaded{pstricks}
13282 \bidi@isloaded{pgf}
13283 \bidi@isloaded{picinpar}
13284 \bidi@isloaded{quotchap}
13285 \bidi@isloaded{tikz}
13286 \bidi@isloaded{titlesec}
13287 \bidi@isloaded{titletoc}
13288 \bidi@isloaded{array}
13289 \bidi@isloaded{soul}
13290 \bidi@isloaded{stabular}
13291 \bidi@isloaded{subfig}
13292 \bidi@isloaded{subfigure}
13293 \bidi@isloaded{supertabular}
13294 \bidi@isloaded{xtab}
13295 \bidi@isloaded{longtable}
13296 \bidi@isloaded{arydshln}
13297 \bidi@isloaded{multicol}
13298 \bidi@isloaded{multienum}
13299 \bidi@isloaded{minitoc}
13300 \bidi@isloaded{natbib}
13301 \bidi@isloaded{newfloat}
13302 \bidi@isloaded{ragged2e}
13303 \bidi@isloaded{rotating}
13304 \bidi@isloaded{tbls}
13305 \bidi@isloaded{tabulary}
13306 \bidi@isloaded{tocbasic}
13307 \bidi@isloaded{tocstyle}
13308 \bidi@isloaded{tocbibind}
13309 \bidi@isloaded{fontspec}
13310 \bidi@isloaded{arabxetex}
13311 \bidi@isloaded{polyglossia}
13312 \bidi@isloaded{fancyvrb}
13313 \AtBeginDocument{
13314   \if@bidi@amsmathloaded@ \else
13315     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13316   \fi%
13317   \if@bidi@amstextloaded@ \else
13318     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13319   \fi%
13320   \if@bidi@amsthmloaded@ \else

```



```

13321 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package
13322 \fi%
13323 \if@bidi@animateloaded@else
13324 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi packag
13325 \fi%
13326 \if@bidi@breqnloaded@else
13327 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package
13328 \fi%
13329 \if@bidi@calsloaded@else
13330 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package.
13331 \fi%
13332 \if@bidi@captionloaded@else
13333 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi packag
13334 \fi%
13335 \if@bidi@croploaded@else
13336 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package.
13337 \fi%
13338 \if@bidi@colorloaded@else
13339 \ifpackageloaded{hyperref}{}{%
13340 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package
13341 \fi%
13342 \if@bidi@cutwinloaded@else
13343 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packag
13344 \fi%
13345 \if@bidi@cutedloaded@else
13346 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package
13347 \fi%
13348 \if@bidi@dblfnoteloaded@else
13349 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pack
13350 \fi%
13351 \if@bidi@diagboxloaded@else
13352 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi packag
13353 \fi%
13354 \if@bidi@xcolorloaded@else
13355 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packag
13356 \fi%
13357 \if@bidi@colortblloaded@else
13358 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pack
13359 \fi%
13360 \if@bidi@floatloaded@else
13361 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package
13362 \fi%
13363 \if@bidi@floatrowloaded@else
13364 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pack
13365 \fi%
13366 \if@bidi@flowframloaded@else
13367 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pack
13368 \fi%
13369 \if@bidi@framedloaded@else
13370 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packag

```



```

13371 \fi%
13372 \if@bidi@ftnrightloaded@else
13373 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13374 \fi%
13375 \if@bidi@xltxttraloaded@else
13376 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxttra after bidi packa
13377 \fi%
13378 \if@bidi@xunicodeloaded@else
13379 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13380 \fi%
13381 \if@bidi@wrapfigloaded@else
13382 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packa
13383 \fi%
13384 \if@bidi@graphicxloaded@else
13385 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13386 \fi%
13387 \if@bidi@geometryloaded@else
13388 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13389 \fi%
13390 \if@bidi@hvfloatloaded@else
13391 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packa
13392 \fi%
13393 \if@bidi@mdframedloaded@else
13394 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13395 \fi%
13396 \if@bidi@midfloatloaded@else
13397 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13398 \fi%
13399 \if@bidi@ntheoremloaded@else
13400 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13401 \fi%
13402 \if@bidi@hyperrefloaded@else
13403 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13404 \fi%
13405 \if@bidi@fancyboxloaded@else
13406 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13407 \fi%
13408 \if@bidi@fancyhdrloaded@else
13409 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13410 \fi%
13411 \if@bidi@draftwatermarkloaded@else
13412 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid
13413 \fi%
13414 \if@bidi@empheqloaded@else
13415 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13416 \fi%
13417 \if@bidi@overpicloaded@else
13418 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packa
13419 \fi%
13420 \if@bidi@pdfpagesloaded@else

```



```

13421 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13422 \fi%
13423 \if@bidi@lettrineloaded@else
13424 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13425 \fi%
13426 \if@bidi@linenoloaded@else
13427 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packag
13428 \fi%
13429 \if@bidi@listingsloaded@else
13430 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13431 \fi%
13432 \csname if@bidi@media9loaded@endcsname\else
13433 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packag
13434 \fi%
13435 \if@bidi@pstricksloaded@else
13436 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13437 \fi%
13438 \if@bidi@pgfloaded@else
13439 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13440 \fi%
13441 \if@bidi@picinparloaded@else
13442 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13443 \fi%
13444 \if@bidi@quotchaploaded@else
13445 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13446 \fi%
13447 \if@bidi@tikzloaded@else
13448 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13449 \fi%
13450 \if@bidi@titlesecloaded@else
13451 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13452 \fi%
13453 \if@bidi@titletocloaded@else
13454 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13455 \fi%
13456 \if@bidi@arrayloaded@else
13457 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package.
13458 \fi%
13459 \if@bidi@stabularloaded@else
13460 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa
13461 \fi%
13462 \if@bidi@soulloaded@else
13463 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13464 \fi%
13465 \if@bidi@subfigloaded@else
13466 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packag
13467 \fi%
13468 \if@bidi@subfigureloaded@else
13469 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13470 \fi%

```



```

13471 \if@bidi@supertabularloaded@else
13472   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13473 \fi%
13474 \if@bidi@xtabloaded@else
13475   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13476 \fi%
13477 \if@bidi@longtableloaded@else
13478   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13479 \fi%
13480 \if@bidi@arydshlnloaded@else
13481   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13482 \fi%
13483 \if@bidi@multicolloaded@else
13484   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13485 \fi%
13486 \if@bidi@multienumloaded@else
13487   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13488 \fi%
13489 \if@bidi@minitocloaded@else
13490   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packag
13491 \fi%
13492 \if@bidi@natbibloaded@else
13493   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package
13494 \fi%
13495   \if@bidi@newfloatloaded@else
13496     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13497 \fi%
13498 \cscname if@bidi@ragged2eloaded@endcscname\else
13499   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13500 \fi%
13501   \if@bidi@rotatingloaded@else
13502     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13503 \fi%
13504 \if@bidi@tblsloaded@else
13505   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
13506 \fi%
13507 \if@bidi@tabularyloaded@else
13508   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13509 \fi%
13510 \if@bidi@tocbasicloaded@else
13511   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13512 \fi%
13513 \if@bidi@tocstyleloaded@else
13514   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13515 \fi%
13516 \if@bidi@tocbibindloaded@else
13517   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13518 \fi%
13519 \if@bidi@fontspecloaded@else
13520   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa

```



```

13521 \fi%
13522 \if@bidi@arabxetexloaded@else
13523 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13524 \fi%
13525 \if@bidi@polyglossia@loaded@else
13526 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
13527 \fi%
13528 \if@bidi@fancyvrb@loaded@else
13529 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pack
13530 \fi%
13531 }

```

78 File longtable-xetex-bidi.def

```

13532 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13533 \def\LT@array[#1]#2{%
13534 \refstepcounter{table}\stepcounter{LT@tables}%
13535 \if l#1%
13536 \if@RTLtab\LTleft\fill \LTRight\z@ \else\LTleft\z@ \LTRight\fill\fi
13537 \else\if r#1%
13538 \if@RTLtab\LTleft\z@ \LTRight\fill\else\LTleft\fill \LTRight\z@\fi
13539 \else\if c#1%
13540 \LTleft\fill \LTRight\fill
13541 \fi\fi\fi
13542 \let\LT@mcol\multicolumn
13543 \let\LT@@tabarray\@tabarray
13544 \let\LT@@hl\hline
13545 \def\@tabarray{%
13546 \let\hline\LT@@hl
13547 \LT@@tabarray}%
13548 \let\LT@tabularcr\let\tabularnewline\%
13549 \def\newpage{\noalign{\break}}%
13550 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13551 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
13552 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13553 \@tempdima\ht\strutbox
13554 \let\@endpbox\LT@endpbox
13555 \ifx\extrarowheight\@undefined
13556 \let\@acol\@tabacol
13557 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13558 \def\@startpbox{\vtop\LT@startpbox}%
13559 \let\@@startpbox\@startpbox
13560 \let\@@endpbox\@endpbox
13561 \let\LT@LL@FM@cr\@tabularcr
13562 \else
13563 \advance\@tempdima\extrarowheight
13564 \col@sep\@tabcolsep
13565 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13566 \fi
13567 \setbox\@arstrutbox\hbox{\vrule

```




```

13568 \@height \arraystretch \@tempdima
13569 \@depth \arraystretch \dp \strutbox
13570 \@width \z@}%
13571 \let\@sharp#\let\protect\relax
13572 \begingroup
13573 \mkpream{#2}%
13574 \xdef\LT@bchunk{%
13575 \global\advance\c@LT@chunks\@ne
13576 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13577 \LT@setprevdepth
13578 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13579 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13580 \endgroup
13581 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13582 \LT@make@row
13583 \m@th\let\par\@empty
13584 \everycr{}\lineskip\z@ \baselineskip\z@
13585 \LT@bchunk}
13586 \def\LT@makecaption#1#2#3{%
13587 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13588 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13589 \ifdim\wd\@tempboxa>\hsize
13590 #1{#2: }#3%
13591 \else
13592 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13593 \fi
13594 \endgraf\vskip\baselineskip}%
13595 \hss}}}
13596 \ifpackageloaded{caption}{%
13597 \renewcommand\LT@makecaption[3]{%
13598 \caption@LT@make{%
13599 \caption@settype*\LTcaptype
13600 \ifdim\LTcapwidth=4in \else
13601 \setcaptionwidth\LTcapwidth
13602 \fi
13603 \caption@setoptions{longtable}%
13604 \caption@setoptions{@longtable}%
13605 \caption@LT@setup
13606 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13607 \caption@startrue#1\caption@starfalse
13608 \caption@prepare@stepcounter\LTcaptype{LT}%
13609 \caption@begin\LTcaptype
13610 \caption@normalsize
13611 \vskip-\ht\strutbox
13612 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13613 \caption@@make{#2}{#3}\endgraf
13614 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13615 \caption@end}}}%
13616 }{}
13617 \def\LT@startpbox#1{%

```



```

13618 \bgroup
13619 \let\@footnotetext\LT@p@ftntext
13620 \let\@LTRfootnotetext\LT@p@LTRftntext
13621 \let\@RTLfootnotetext\LT@p@RTLftntext
13622 \setlength\hsize{#1}%
13623 \@arrayparboxrestore
13624 \vrule \@height \ht\@arstrutbox \@width \z@}
13625 \def\LT@p@LTRftntext#1{%
13626 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13627 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13628 \def\LT@p@RTLftntext#1{%
13629 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13630 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13631
13632
13633 \def\LT@output{%
13634 \ifnum\outputpenalty <-\@Mi
13635 \ifnum\outputpenalty > -\LT@end@pen
13636 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13637 \else
13638 \setbox\z@\vbox{\unvbox\@cclv}%
13639 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13640 \dimen@ \pagegoal
13641 \advance\dimen@-\ht\LT@lastfoot
13642 \ifdim\dimen@<\ht\z@
13643 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13644 \@makecol
13645 \@outputpage
13646 \setbox\z@\vbox{\box\LT@head}%
13647 \fi
13648 \fi
13649 \global\@colroom\@colht
13650 \global\@vsize\@colht
13651 \vbox
13652 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13653 \fi
13654 \else
13655 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13656 \@makecol
13657 \@outputpage
13658 \global\@vsize\@colroom
13659 \copy\LT@head\nobreak
13660 \fi}

```

79 File mathtools-xetex-bidi.def

```

13661 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13662 \MHInternalSyntaxOn
13663 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13664 \@namedef{MT_tagform_#1:n}##1

```



```

13665   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i
13666 }
13667 \renewtagform{default}{\{()\}}
13668 \MHInternalSyntaxOff

```

8o File mdframed-xetex-bidi.def

```

13669 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13670 \newif\if@bidi@mdf@RTL
13671 \def\mdf@lrbox#1{%
13672   \mdf@patchamsthm\patch amsthm
13673   \if@RTL\@bidi@mdf@RTLtrue\fi%
13674   \@RTLfalse%
13675   \setbox#1\vbox\bgroup%
13676   \color@begingroup%
13677   \if@bidi@mdf@RTL\@RTLtrue\fi%
13678   \mdf@horizontalmargin@equation%
13679   \columnwidth=\hsize%
13680   \textwidth=\hsize%
13681   \let\if@nobreak\iffalse%
13682   \let\if@noskipsec\iffalse%
13683   \let\par\@par%
13684   \let-\@dischyph%
13685   \let'\@acci\let\@accii\let\@acciii%
13686   \parindent\z@ \parskip\z@skip%
13687   \linewidth\hsize%
13688   \@totalleftmargin\z@%
13689   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13690   \parfillskip\@flushglue \lineskip\normallineskip%
13691   \baselineskip\normalbaselineskip%
13692 %% \sloppy%
13693   \let\\\@normalcr%
13694   \mdf@par@local%New feature to restore parskip/parindent local in save box
13695   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13696   \@afterindentfalse%
13697   %\@afterheading%
13698 }
13699 \renewrobustcmd\mdfframedtitleenv[1]{%
13700   \mdf@lrbox{\mdf@frametitlebox}%
13701   \mdf@frametitlealignment%
13702   \leavevmode{\color{\mdf@frametitlefontcolor}%
13703     \normalfont\mdf@frametitlefont{#1}
13704     \ifbool{mdf@ignorelastdescenders}%
13705       {%
13706         \par\strut\par
13707         \unskip\unskip\setbox0=\lastbox
13708         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13709       }{}%
13710   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi}%
13711   \endmdf@lrbox\relax%

```



```

13712 \mdf@ignorevbadness%
13713 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13714 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13715 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13716 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13717 \mdfframetitleboxtotalheight=\dimexpr
13718             \ht\mdf@frametitlebox
13719             +\dp\mdf@frametitlebox%
13720             +\mdf@frametitleaboveskip@length
13721             +\mdf@frametitlebelowskip@length
13722             \relax%
13723 }
13724
13725 \renewrobustcmd*\mdf@footnoteoutput{%
13726     \ifvoid\@mpfootins\else%
13727         \nobreak%
13728         \vskip\mdf@footnotedistance@length%
13729         \normalcolor%
13730         \bidi@mpfootnoterule%
13731         \unvbox\@mpfootins%
13732     \fi%
13733 }
13734
13735
13736 \renewrobustcmd*\mdf@footnoteinput{%
13737     \def\@mpfn{mpfootnote}%
13738     \def\thempfn{\thempfootnote}%
13739     \c@mpfootnote\z@%
13740     \let\@footnotetext\@mpfootnotetext%
13741     \let\@LTRfootnotetext\@mpLTRfootnotetext%
13742     \let\@RTLfootnotetext\@mpRTLfootnotetext%
13743 }

```

81 File bidi-media9.sty

```

13744 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13745 {bidi fixes for media9 package for the XeTeX engine}
13746
13747 \keys_define:nn{media9/mbtn}{
13748     draft .code:n = {},
13749     final .code:n = {},
13750
13751     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13752     tooltip .value_required:n = {true},
13753
13754     overface .code:n = {
13755         \sbox\l_mix_poster_box{
13756             \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13757         \mix_pdfxform:n{\l_mix_poster_box}
13758         \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}

```



```

13759 },
13760 overface .value_required:n = {true},
13761
13762 downface .code:n = {
13763   \sbox\l_mix_poster_box{
13764     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13765   \mix_pdfxform:n{\l_mix_poster_box}
13766   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13767 },
13768 downface .value_required:n = {true},
13769
13770 3Dgotoview .code:n = {
13771   \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13772   \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
13773   \tl_trim_spaces:N\l_tmpa_tl
13774   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13775     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13776       \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13777       \regex_replace_once:nnN{([~:~]+:~?){}\1}\l_tmpb_tl
13778       \tl_trim_spaces:N\l_tmpb_tl
13779       \tl_if_blank:VF\l_tmpb_tl{
13780         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13781           \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
13782         }{
13783           \regex_match:nVTF{^[d+~$]\1}\l_tmpb_tl{
13784             \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
13785           }{
13786             \regex_replace_once:nnN{^(\s*){}}\l_tmpb_tl
13787             \regex_replace_once:nnN{\s*\)}\l_tmpb_tl
13788             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13789           }
13790         }
13791       }
13792       \mix_pdfobj:nnn{}{dict}{
13793         /S/JavaScript/JS~(
13794           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13795           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13796             annotRM['\l_tmpa_tl']=
13797               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13798           }
13799           annotRM['\l_tmpa_tl'].activated=true;
13800         )
13801         \tl_if_blank:VF\l_tmpb_tl{
13802           /Next~<<
13803           /S/GoTo3DView
13804           /TA~\tl_use:c{ann@\l_tmpa_tl}
13805           /V\l_mix_vidx_tl
13806         >>
13807       }
13808     }

```



```

13809     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13810   }
13811 }{
13812   \msg_warning:nxx{media9}{undefined-reference}{\l_tmpa_tl}
13813   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13814     \tl_new:N\g_mix_refundefwarned_tl
13815     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13816   }
13817 }
13818 },
13819 3Dgotoview .value_required:n = {true},
13820
13821 mediacommand .code:n = {
13822   \tl_set:Nx\l_tmpa_tl{#1}
13823   \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl %extract ref
13824   \tl_trim_spaces:N\l_tmpa_tl
13825   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13826     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13827       \tl_set:Nx\l_tmpb_tl{#1}
13828       \regex_replace_once:nnN{([^\:]+\:)?}{\1}\l_tmpb_tl
13829       \tl_trim_spaces:N\l_tmpb_tl
13830       \regex_replace_all:nnN{^{\|}\$}{\}\l_tmpb_tl
13831       \tl_set:Nx\l_mix_cmd_tl{
13832         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13833       \tl_trim_spaces:N\l_mix_cmd_tl
13834       \tl_set:Nx\l_mix_arg_tl{
13835         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13836       \tl_trim_spaces:N\l_mix_arg_tl
13837       \mix_pdfobj:nnn{}{dict}{
13838         /S/JavaScript/JS~(
13839           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13840           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13841             annotRM['\l_tmpa_tl']=
13842               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13843           }
13844           annotRM['\l_tmpa_tl'].activated=true;
13845         )
13846       \tl_if_blank:VF\l_mix_cmd_tl{
13847         /Next~<<
13848         /S/RichMediaExecute
13849         /TA~\tl_use:c{ann@\l_tmpa_tl}
13850         /TI~\tl_use:c{main@\l_tmpa_tl}
13851         /CMD~<<
13852         /C~(\l_mix_cmd_tl)
13853         \tl_if_blank:VF\l_mix_arg_tl{
13854           /A~[\l_mix_arg_tl]
13855         }
13856       }
13857     }
13858   }

```



```

13859     }
13860     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13861   }
13862   }{
13863     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13864     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13865       \tl_new:N\g_mix_refundefwarned_tl
13866       \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13867     }
13868   }
13869 },
13870 mediacommand .value_required:n = {true},
13871
13872 jsaction .code:n = {
13873   \tl_set:Nx\l_tmpa_tl{#1}
13874   \regex_match:nVTF{^[^:]+:.*$}\l_tmpa_tl{
13875     \regex_replace_once:nnN{([:]+):??.*}{\1}\l_tmpa_tl %extract ref
13876     \tl_trim_spaces:N\l_tmpa_tl
13877   }{\tl_clear:N\l_tmpa_tl}
13878   \tl_set:Nx\l_tmpb_tl{#1}
13879   \tl_if_blank:VF\l_tmpa_tl{
13880     \tl_if_exist:cF{ann@\l_tmpa_tl}{
13881       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13882       \cs_if_exist:NF\g_mix_refundefwarned_tl{
13883         \tl_new:N\g_mix_refundefwarned_tl
13884         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13885       }
13886     }
13887     \regex_replace_once:nnN{[^:]+\:}{ }\l_tmpb_tl
13888   }
13889   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13890   \tl_trim_spaces:N\l_tmpb_tl
13891   \tl_if_blank:VF\l_tmpb_tl{
13892     \mix_pdfobj:nnn{}{dict}{
13893       /S/JavaScript/JS~(
13894         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
13895     \bool_lazy_and:nnT{
13896       \tl_if_exist_p:c{ann@\l_tmpa_tl}
13897     }{
13898       !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13899     }{
13900       \mix_pdfobj:nnn{}{dict}{
13901         /S/JavaScript/JS~(
13902           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13903           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13904             annotRM['\l_tmpa_tl']=
13905               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13906           }
13907           annotRM['\l_tmpa_tl'].activated=true;
13908         )

```



```

13909     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13910   }
13911 }
13912 \bool_if:nT{
13913   \bool_lazy_and_p:nn{
13914     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13915   }{
13916     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13917   }
13918   || !\tl_if_blank_p:V\l_tmpb_tl
13919 }{
13920   \tl_gput_right:Nx\g_mix_btnactions_tl{\mix_pdflastobj:}
13921 }
13922 },
13923 jsaction .value_required:n = {true},
13924
13925 unknown .code:n = {
13926   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13927 }
13928 }
13929
13930 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
13931   \mix_uriend:
13932   \group_begin:
13933   \mix_beginLTR:
13934   \leavevmode
13935   %empty stream as appearance dummy
13936   \cs_if_exist:NF\g_mix_appearance_tl{
13937     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13938     \mix_pdfxform:n{\l_mix_poster_box}
13939     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13940   }
13941   \mix_reset:
13942   \mix_uribegin: %treat URI characters correctly
13943   \keys_set:nn{media9/user}{#1}
13944   \mix_uriend:
13945   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13946   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13947   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13948   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
13949   \tl_gtrim_spaces:N\g_mix_flashvars_tl
13950
13951   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13952
13953   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13954   %\hbox_set:Nn\l_mix_poster_box{#2}
13955   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13956   \mix_scale:n{\l_mix_poster_box}
13957   \bool_if:nT{
13958     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||

```




```

13959   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13960   }{
13961     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13962   }
13963   \bool_if:NTF\g_mix_usrdraft_bool{
13964     \tl_if_empty:NF\g_mix_usrlabel_tl{
13965       \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13966     }
13967     \tl_if_blank:oTF{#2}{
13968       \mix_uribegin: %treat URI characters correctly
13969       \mix_draftbox:n{\tl_to_str:n{#3}}
13970       \mix_uriend:
13971     }{
13972       \hbox_to_wd:nn{\g_mix_wd_tl}{
13973         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13974         \box_use:N\l_mix_poster_box\hss
13975       }
13976     }
13977   }{
13978     \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13979       %attach script that switches off play button overlay upon activation
13980       \mix_pdfobj:nnn{}{stream}{
13981         }{
13982           var~ocgs=host.getOCGs(host.pageNum);
13983           for(var~i=0;i<ocgs.length;i++){
13984             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13985               ocgs[i].state=false;
13986             }
13987           }
13988         }
13989       }
13990       \mix_pdfobj:nnn{}{dict}{
13991         /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13992       }
13993       \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13994       \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13995       %enforce plain playbutton overlay for XeTeX
13996       \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13997     }
13998     %embed main asset
13999     \mix_uribegin:
14000     \mix_embedasset:n{#3}
14001     \bool_if:nTF{
14002       \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
14003     }{
14004       \bool_gset_true:N\g_mix_iiid_bool
14005       \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
14006     }{
14007       \str_case_x:nnF{\l_mix_base_tl}{
14008         {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}

```



```

14009         {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14010         {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14011         {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14012         {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14013     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
14014 }
14015 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
14016 \mix_uriend:
14017 %secondary assets (added by addresource)
14018 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
14019 \seq_map_inline:Nn\g_mix_script_seq{
14020     \mix_embedasset:n{##1}
14021     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
14022 }
14023 %attach 3D calculation script
14024 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
14025     \mix_embedasset:n{3Dmenu.js}
14026     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
14027 }
14028 %create 3D views from file (option 3Dviews)
14029 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
14030     \tl_set:Nn\l_mix_level_tl{\c_minus_one}
14031     \int_zero:N\l_mix_viewcnt_int
14032     \int_zero:N\l_mix_lineno_int
14033
14034     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
14035     \ior_map_inline:Nn\l_mix_vfile_stream{
14036         \int_incr:N\l_mix_lineno_int
14037         \keys_set:nn{media9/views}{##1} %process input line
14038     }
14039     \ior_close:N\l_mix_vfile_stream
14040 }
14041 \bool_if:nT{ %create default 3D view if required
14042     \g_mix_iiid_bool &&
14043     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
14044 }{
14045     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
14046     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
14047     \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
14048     \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
14049     \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
14050     \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
14051     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
14052
14053     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14054     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14055     \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14056     \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14057
14058     \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool

```



```

14059 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14060 \tl_clear:N\l_mix_naarray_tl
14061
14062 \bool_if:NF\l_mix_ciiw_bool{
14063   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14064   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14065 }
14066
14067 \tl_clear:N\l_mix_naarray_tl
14068 \tl_clear:N\l_mix_saarray_tl
14069 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14070
14071 \mix_view:n{Default}
14072 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14073
14074 }
14075 \mix_pdfobj:nnn{}{dict}{
14076   /Type/RichMediaInstance
14077   /Subtype/\g_mix_mainassetsub_tl
14078   /Asset~\g_mix_mainasset_tl
14079   \bool_if:NF\g_mix_iiid_bool{
14080     /Params~<<
14081     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14082       /Foreground
14083     }{
14084       /Background
14085     }
14086     \tl_if_blank:VF\g_mix_flashvars_tl{
14087       /FlashVars~(\g_mix_flashvars_tl)
14088     }
14089     >>
14090   }
14091 }
14092 \tl_if_empty:NF\g_mix_usrlabel_tl{
14093   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14094 }
14095 \mix_pdfobj:nnn{}{dict}{
14096   /Type/RichMediaConfiguration
14097   /Subtype/\g_mix_mainassetsub_tl
14098   /Instances~[\mix_pdflastobj:]
14099 }
14100 \mix_pdfobj:nnn{}{dict}{
14101   /Type/RichMediaContent
14102   /Assets~<</Names~[\g_mix_assets_tl]>>
14103   /Configurations~[\mix_pdflastobj:]
14104   \bool_if:nTF{
14105     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14106   }{
14107     /Views~[\l_mix_iiidviewarray_tl]
14108   }

```



```

14109 }
14110 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14111 \bool_if:nT{
14112   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14113 }{
14114   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14115 }
14116 %determine floating window size
14117 \bool_if:NT\g_mix_opt_windowed_bool{
14118   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14119 }
14120 \mix_pdfobj:nnn{}{dict}{
14121   /Activation~<<
14122   /Condition\g_mix_act_tl
14123   \bool_if:nT{
14124     \g_mix_iiid_bool &&
14125     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14126   }{%seems to work only with 3D content
14127     /Animation~<<
14128     /Subtype\g_mix_playtpe_tl
14129     /PlayCount~\g_mix_playcnt_tl
14130     /Speed~\g_mix_playspd_tl
14131     >>
14132   }
14133   \bool_if:nT{
14134     \g_mix_iiid_bool && (
14135       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14136     )
14137   }{/View~\l_mix_dfltview_tl}
14138   /Presentation~<<
14139   /Transparent~\g_mix_transp_tl
14140   \bool_if:NTF\g_mix_opt_windowed_bool{
14141     /Style/Windowed
14142   }/Window~<<
14143   /Width~<</Default~\tl_mix_fltd>>
14144   /Height~<</Default~\tl_mix_fltht>>
14145   /Position~<<
14146   /HOffset~0/VOffset~0
14147   \str_case_x:nnF{\g_mix_winpos_tl}{
14148     {tl}{/VAlign/Near/HAlign/Near}
14149     {cl}{/VAlign/Center/HAlign/Near}
14150     {bl}{/VAlign/Far/HAlign/Near}
14151     {bc}{/VAlign/Far/HAlign/Center}
14152     {br}{/VAlign/Far/HAlign/Far}
14153     {cr}{/VAlign/Center/HAlign/Far}
14154     {tr}{/VAlign/Near/HAlign/Far}
14155     {tc}{/VAlign/Near/HAlign/Center}
14156   }{/HAlign/Center/VAlign/Center}
14157   >>
14158   >>

```



```

14159     }{
14160         /Style/Embedded
14161     }
14162     \bool_if:NTF\g_mix_iiid_bool{
14163         /Toolbar~\g_mix_tools_tl
14164         /NavigationPane~\g_mix_nav_tl
14165     }{
14166         /PassContextClick~\g_mix_contextclick_tl
14167     }
14168     >>
14169     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14170     >>
14171     /Deactivation~<</Condition\g_mix_deact_tl>>
14172 }
14173 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14174 \tl_if_empty:NF\g_mix_usrlabel_tl{
14175     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14176 }
14177 % #1:width, #2:height, #3:depth, #4:content (key-value)
14178 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14179     /Subtype/RichMedia
14180     /F~4
14181     /BS~<</W~0/S/S>>
14182     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14183     /NM~(\g_mix_label_tl)
14184     /AP~<</N~\g_mix_appearance_tl>>
14185     /RichMediaSettings~\l_mix_settings_tl
14186     /RichMediaContent~\l_mix_content_tl
14187 }
14188 \tl_if_empty:NF\g_mix_usrlabel_tl{
14189     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14190     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14191         \noexpand\the\g@mix@page@int}
14192 }
14193 \mix_pdfobj:nnn{}{dict}{
14194     /S/JavaScript/JS~(
14195         try{
14196             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14197             if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14198                 annotRM['\g_mix_label_tl']=
14199                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14200             }
14201             \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14202                 if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14203                     var~ocgs=this.getOCGs(this.pageNum);
14204                     for(var~i=0;i<ocgs.length;i++){
14205                         if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
14206                             var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14207                         }
14208                     }

```



```

14209         }
14210         if(
14211             !annotRM['\g_mix_label_tl'].activated&&(
14212                 app.viewerType=='Reader' ||
14213                 app.viewerType=='Exchange' ||
14214                 app.viewerType=='Exchange-Pro'
14215             )&&app.viewerVersion>=9
14216         ){
14217             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14218         }
14219     }
14220     }catch(e){}
14221     this.dirty=false;
14222 )
14223 }
14224 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14225     /Subtype/Widget
14226     /FT/Btn/Ff~65537/F~2
14227     /BS~<</W~0>>
14228     /T~(fd@\g_mix_label_tl)
14229     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14230 }
14231 \mix_appendtofields:n{\mix_pdflastann:}
14232 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14233 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14234     \hbox_to_wd:nn{\g_mix_wd_tl}{
14235         \vrule-width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14236     }
14237 }{%insert play button overlay
14238     \mix_insert_btnocg: %create OCG
14239     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14240     \group_begin:
14241     \cs_if_exist:NT\textdir{\textdir TLT}
14242     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14243     \box_move_down:nn{\g_mix_dp_tl}{
14244         \hbox_to_wd:nn{\g_mix_wd_tl}{
14245             \vbox_to_ht:nn{\g_mix_tt_tl}{
14246                 \vss
14247                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14248                 \box_use:N\l_mix_pbtn_box
14249                 \ocgbase_oc_emc:
14250             }
14251         }
14252     }
14253     \group_end:
14254 }
14255 \int_gincr:N\g_mix_rmcnt_int
14256 }
14257 \mix_endLTR:
14258 \group_end:

```



```

14259 }
14260 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14261 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14262
14263 \RenewDocumentCommand\mediabutton{0{m}}{#{1 options, #2 normal button text
14264 \mix_uriend:
14265 \group_begin:
14266 \mix_beginLTR:
14267 \leavevmode
14268 %reset various variables
14269 \tl_gclear:N\g_mix_overbtn_tl
14270 \tl_gclear:N\g_mix_downbtn_tl
14271 \tl_gclear:N\g_mix_btnactions_tl
14272 \tl_gclear:N\g_mix_tooltip_tl
14273 %process options
14274 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14275 \mix_uribegin: %treat URI characters correctly
14276 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14277 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14278 \mix_uriend:
14279 %normal button appearance
14280 \%hbox_set:Nn\l_mix_poster_box{#2}
14281 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14282 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14283 \tl_set:Nx\height {\dim_use:N\box_ht:N\l_mix_poster_box}
14284 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14285 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14286 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
14287 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14288 \mix_pdfxform:n{\l_mix_poster_box}
14289 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14290 %insert widget annotation
14291 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14292 /Subtype/Widget
14293 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14294 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14295 /FT/Btn/Ff~65536
14296 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14297 /AP~<<
14298 /N~\g_mix_normalbtn_tl
14299 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14300 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14301 >>
14302 /MK~<<
14303 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14304 /I~\g_mix_normalbtn_tl
14305 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14306 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14307 >>
14308 /A~<<

```



```

14309      /S/JavaScript/JS~(app.focusRect=false;)
14310      %sequence of actions to perform
14311      \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14312      >>
14313    }
14314    \mix_appendtofields:n{\mix_pdflastann:}
14315    \hbox_to_wd:nn{\width}{
14316      \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14317    }
14318    \int_gincr:N\g_mix_mbtncnt_int
14319  }
14320  \mix_endLTR:
14321  \group_end:
14322 }
14323 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14324 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14325
14326

```

82 File memoir-xetex-bidi.def

```

14327 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for XeLaTeX]
14328 \renewcommand{\keepthetitle}{%
14329   \@bsmtitleempty
14330   \global\let\thanks\relax
14331   \global\let\LTRthanks\relax
14332   \global\let\RTLthanks\relax
14333   \global\let\and\relax
14334   \global\let\andnext\relax
14335   \global\let\@thanks\@empty
14336   \global\let\@title\@empty
14337   \global\let\@author\@empty
14338   \global\let\@date\@empty}
14339 \renewcommand{\maketitle}{\par
14340 \begingroup
14341   \@bsmarkseries
14342   \def\@makefnmark{\@textsuperscript{%
14343     \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
14344   \long\def\@makefntext##1{\makethanksmark ##1}
14345   \if@twocolumn
14346     \ifnum \col@number=\@ne
14347       \@maketitle
14348     \else
14349       \twocolumn[\@maketitle]%
14350     \fi
14351   \else
14352     \ifdim\pagetotal>\z@
14353       \newpage
14354     \fi
14355     \global\@topnum\z@

```




```

14356 \maketitle
14357 \fi
14358 \thispagestyle{title}\@thanks
14359 \endgroup
14360 \@bscontmark % \setcounter{footnote}{0}%
14361 }
14362 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14363 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14364 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrighskip\else\vleftskip\fi}
14365 \renewcommand*{\memRTLvrighskip}{\if@RTL\vleftskip\else\vrighskip\fi}
14366 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14367 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14368 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14369 \renewcommand*{\thesubsection}{%
14370 \thesection\@SepMark\@arabic\c@subsection}
14371 \renewcommand*{\thesubsubsection}{%
14372 \thesubsection\@SepMark\@arabic\c@subsubsection}
14373 \renewcommand*{\theparagraph}{%
14374 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14375 \renewcommand*{\thesubparagraph}{%
14376 \theparagraph\@SepMark\@arabic\c@subparagraph}
14377 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14378 \renewcommand{\theequation}{%
14379 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14380 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14381 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14382 \ifartopt
14383 \chapterstyle{article}
14384 \counterwithout{figure}{chapter}
14385 \counterwithout{table}{chapter}
14386 \counterwithout{footnote}{chapter}
14387 \counterwithout{equation}{chapter}
14388 \renewcommand{\chaptername}{\}
14389 \renewcommand{\maketitlehookb}{%
14390 \vskip -1.5\topsep\vskip -1.5\partopsep}
14391 \renewcommand{\maketitlehookc}{%
14392 \vskip -1.5\topsep\vskip -1.5\partopsep}
14393 \fi
14394 \long\def\@makecaption#1#2{\let\@memtempa\relax
14395 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14396 \else \def\@memtempa{\vbox to\topskip{}}\fi
14397 \let\@contfnote\footnote \renewcommand{\footnote}[2]{}{}
14398 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1]{}{}
14399 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14400 \let\footnote\@contfnote
14401 \let\footnotemark\@contfmark
14402 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14403 \if@contcw
14404 \centering
14405 \parbox{\@contcwidth}{%

```



```

14406 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14407 \fi
14408 \ifdim\wd\@tempboxa<\linewidth
14409 \@contpre
14410 {\@contnfont #1\@contdelim}\@memtempa
14411 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14412 \else
14413 \if@conthang
14414 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14415 \@contpre%
14416 {\@contcstyle\hangindent=\wd\@tempboxa
14417 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14418 \else
14419 \if@contindent
14420 \@contpre%
14421 {\@contnfont #1\@contdelim}\@memtempa
14422 {\@contcstyle\hangindent=\@contindw
14423 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14424 \else
14425 \@contpre%
14426 {\@contnfont #1\@contdelim}\@memtempa
14427 {\@contcstyle \@conttfont #2\@contfinal\par}
14428 \fi
14429 \fi
14430 \fi
14431 \@contpost
14432 \if@contcw
14433 \par
14434 } % end of the \parbox
14435 \fi
14436 \vskip\belowcaptionskip}
14437 \ifpackageloaded{caption}{%
14438 \AtBeginPackage{caption}{
14439 \ClassWarningNoLine{memoir}{%
14440 You are using the caption package with the memoir \MessageBreak
14441 class. This may cause unexpected or inconsistent \MessageBreak
14442 results if you use any of memoir's captioning facilities}
14443
14444 \long\def\@makecaption##1##2{%
14445 \vskip\abovecaptionskip
14446 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14447 \ifdim \wd\@tempboxa >\hsize
14448 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14449 \else
14450 \global \@minipagefalse
14451 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14452 \fi
14453 \vskip\belowcaptionskip}
14454
14455 \def\caption{%

```



```

14456 \ifx\@capttype\@undefined
14457 \latexerror{\noexpand\caption outside float}\@ehd
14458 \expandafter\@gobble
14459 \else
14460 \refstepcounter\@capttype
14461 \expandafter\@firstofone
14462 \fi
14463 {\@dblarg{\@caption\@capttype}}%
14464 }
14465
14466 \long\def\@caption##1[##2]##3{%
14467 \par
14468 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14469 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14470 \begingroup
14471 \parboxrestore
14472 \if@minipage
14473 \setminipage
14474 \fi
14475 \normalsize
14476 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14477 \endgroup}
14478 }{}
14479 \renewenvironment{thebibliography}[1]{%
14480 \bibsection
14481 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14482 \bidi@thebibliography@font@hook%
14483 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

83 File midfloat-xetex-bidi.def

```

14484 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14485 \def\RTL@outputdblcol{%
14486 \if@firstcolumn
14487 \global \@firstcolumnfalse
14488 \global\setbox\@leftcolumn\copy\@outputbox
14489 \splitmaxdepth\maxdimen
14490 \vbadness\maxdimen
14491 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14492 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14493 \toks@\expandafter{\topmark}%
14494 \xdef\@firstcoltopmark{\the\toks@}%
14495 \toks@\expandafter{\splitfirstmark}%
14496 \xdef\@firstcolfirstmark{\the\toks@}%
14497 \ifx\@firstcolfirstmark\@empty
14498 \global\let\@setmarks\relax
14499 \else
14500 \gdef\@setmarks{%
14501 \let\firstmark\@firstcolfirstmark
14502 \let\topmark\@firstcoltopmark}%

```



```

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

```



```

14553 \hb@xt@\textwidth {%
14554 \hskip \columnwidth
14555 \hfil
14556 \vrule \@width\columnseprule
14557 \hfil
14558 \hb@xt@\columnwidth {%
14559 \bidi@firstcolumn@status@write%
14560 \box\@leftcolumn \hss}%
14561 \hskip-\textwidth
14562 \hb@xt@\columnwidth {%
14563 \bidi@lastcolumn@status@write%
14564 \box\@outputbox \hss}%
14565 \hskip\columnwidth
14566 \hskip\columnsep}%
14567 }%
14568 \@combinedblfloats
14569 \@setmarks
14570 \@outputpage
14571 \begingroup
14572 \@dblfloatplacement
14573 \@startdblcolumn
14574 \@whiles\if@fcolmade \fi
14575 {\@outputpage
14576 \@startdblcolumn}%
14577 \endgroup
14578 \global\jua@sk=0\global\jua@sar={}%
14579 \global\cor@height\z@\global\c@addvipersep\z@
14580 \fi
14581 \fi
14582 }
14583
14584
14585 \def\LTR@outputdblcol{%
14586 \if@firstcolumn
14587 \global \@firstcolumnfalse
14588 \global\setbox\@leftcolumn\copy\@outputbox
14589 \splitmaxdepth\maxdimen
14590 \vbadness\maxdimen
14591 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14592 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14593 \toks@\expandafter{\topmark}%
14594 \xdef\@firstcoltopmark{\the\toks@}%
14595 \toks@\expandafter{\splitfirstmark}%
14596 \xdef\@firstcolfirstmark{\the\toks@}%
14597 \ifx\@firstcolfirstmark\@empty
14598 \global\let\@setmarks\relax
14599 \else
14600 \gdef\@setmarks{%
14601 \let\firstmark\@firstcolfirstmark
14602 \let\topmark\@firstcoltopmark}%

```



```

14603 \fi
14604 \global\c@colht\@colht\global\c@advvipersep\z@
14605 \ifnum\jua@sk>0
14606 \remove@strip\jua@sar
14607 \global\@colht\the\jua@pr
14608 \ifdim\right@cor>\z@
14609 \global\advance\@colht by\right@cor
14610 \fi
14611 \global\advance\@colht by\cor@height
14612 \global\cor@height=0pt
14613 \fi
14614 \global\setbox\@rightcolumn \vbox{%
14615 \else
14616 \ifdim\c@colht>\@colht
14617 \@tempdima\@colht
14618 \ifdim\@colht>\z@
14619 \global\setbox\@rightcolumn \vbox{%
14620 \unvbox\@rightcolumn
14621 \vbox to\@tempdima{%
14622 \vskip\c@advvipersep\unvbox\@outputbox}%
14623 \vskip\stripsep
14624 \vrule height\the\jua@ht width 0pt depth 0pt
14625 \vskip\stripsep
14626 }%
14627 \global\c@advvipersep\m@advvipersep
14628 \else
14629 \global\setbox\@rightcolumn \vbox{%
14630 \unvbox\@rightcolumn
14631 \vrule height\the\jua@ht width 0pt depth 0pt
14632 \vskip\stripsep
14633 }%
14634 \fi
14635 \ifnum\jua@sk>0
14636 \remove@strip\jua@sar
14637 \global\@colht\the\jua@pr
14638 \global\advance\@colht by-\ht\@rightcolumn
14639 \global\advance\@colht by\cor@height
14640 \global\cor@height=0pt
14641 \else
14642 \global\advance\c@colht by-\ht\@rightcolumn
14643 \global\@colht\c@colht
14644 \fi
14645 \else
14646 \global\@firstcolumntrue
14647 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14648 \unvbox\@rightcolumn
14649 \vskip\c@advvipersep
14650 \unvbox\@outputbox
14651 }%
14652 \setbox\@outputbox \vbox {%

```



```

14653 \hb@xt@\textwidth {%
14654 \hb@xt@\columnwidth {%
14655 \bidi@firstcolumn@status@write%
14656 \box\@leftcolumn \hss}%
14657 \hfil
14658 \vrule \@width\columnseprule
14659 \hfil
14660 \hb@xt@\columnwidth {%
14661 \bidi@lastcolumn@status@write%
14662 \box\@outputbox \hss}%
14663 }%
14664 }%
14665 \@combinedblfloats
14666 \@setmarks
14667 \@outputpage
14668 \beginingroup
14669 \@dblfloatplacement
14670 \@startdblcolumn
14671 \@whiles\if@fcolmade \fi
14672 {\@outputpage
14673 \@startdblcolumn}%
14674 \endgroup
14675 \global\jua@sk=0\global\jua@sar={}
14676 \global\cor@height\z@\global\c@addvipersep\z@
14677 \fi
14678 \fi
14679 }
14680
14681
14682 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14683 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14684 \hsize\textwidth
14685 \@parboxrestore
14686 \col@number \@ne
14687 \vrule height\topskip width0pt depth0pt
14688 }
14689
14690 \def\endstrip{%
14691 \egroup\egroup
14692 \if@firstcolumn
14693 \ifdim\pagetotal>\z@
14694 \vskip\stripsep
14695 \global\ht@strip\pagegoal
14696 \global\advance\ht@strip by-\pagetotal
14697 \global\advance\ht@strip by-\stripsep
14698 \global\advance\ht@strip by-\ht\@viper
14699 \global\advance\ht@strip by-\stripsep
14700 \global\jua@ht=\ht\@viper
14701 \else
14702 \global\ht@strip\z@

```



```

14703         \fi
14704         \ifdim\ht@strip>\z@
14705             \unvbox\@viper
14706             \vskip\stripsep
14707             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14708             \global\advance\jua@sk by1
14709         \else
14710             \@latex@error{Strip needs more place!}\@ehc
14711             \if@vihproof
14712                 \framebox[\columnwidth]{??? Strip ???}%
14713             \fi
14714         \fi
14715     \else
14716         \@latex@error{Strip is used only on left column!}\@ehc
14717         \if@vihproof
14718             \framebox[\columnwidth]{??? Strip ???}%
14719         \fi
14720     \fi
14721 }

```

84 File minitoc-xetex-bidi.def

```

14722 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14723 \def\@undottedtocline#1#2#3#4#5{%
14724     \ifnum #1>\c@tocdepth\relax \else
14725         \vskip \z@ plus.2\p@
14726         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \
14727         \parindent #2\relax\@afterindenttrue
14728         \interlinepenalty\@M
14729         \leavevmode
14730         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
14731         \hskip -\if@RTL\rightskip\else\leftskip\fi
14732         #4\nobreak\hfill \nobreak
14733         \null\par}%
14734     \fi}
14735 \def\@Undottedtocline#1#2#3#4#5{%
14736     \ifnum #1>\c@tocdepth\relax \else
14737         \vskip \z@ \@plus.2\p@
14738         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \
14739         \parindent #2\relax\@afterindenttrue
14740         \interlinepenalty\@M
14741         \leavevmode
14742         \@tempdima #3\relax
14743         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14744         {\coffefont #4}\nobreak \nobreak\null
14745         \par}%
14746     \fi}
14747 \def\@Undottedtoclinep#1#2#3#4#5{%
14748     \ifnum #1>\c@tocdepth\relax \else
14749         \vskip \z@ \@plus.2\p@

```




```

14750   {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
14751   \parindent #2\relax\@afterindenttrue
14752   \interlinepenalty\@M
14753   \leavevmode
14754   \@tempdima #3\relax
14755   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
14756   {#4}\nobreak \hfill \nobreak\null
14757   \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14758   \par}%
14759 \fi}

```

85 File multicol-xetex-bidi.def

```

14760 \ProvidesFile{multicol-xetex-bidi.def}[2018/10/07 v1.1 bidi adaptations for multicol package]
14761 \def\page@sofar{%
14762   \process@cols\mult@rightbox
14763   {\ifvoid\count@
14764     \setbox\count@\hbox to\hsize{}}%
14765   \else
14766     \wd\count@\hsize
14767   \fi}%
14768 \count@\col@number \advance\count@\m@ne
14769 \mult@info\z@
14770 {Column spec: \the\full@width\space = indent
14771               + columns + sep =\MessageBreak
14772               \the\multicol@leftmargin\space
14773               + \the\col@number\space
14774               x \the\hsize\space
14775               + \the\count@\space
14776               x \the\columnsep
14777               }%
14778 \ifvmode\else\errmessage{Multicol Error}\fi
14779 \nointerlineskip
14780 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14781 \moveright\multicol@leftmargin
14782 \hbox to\full@width{%
14783   \bidi@multicol@align@columns
14784   \rlap{\phantom p}}%
14785   }%
14786 \prevdepth\z@
14787 \kern-\dimen\tw@
14788 \ifdim\dimen\tw@ > \mc@gridwarn
14789   \PackageWarning{multicol}%
14790     {Very deep columns!\MessageBreak
14791     Grid alignment might be broken}%
14792 \fi
14793 }
14794 \def\LTR@column@boxes{%
14795   \process@cols\mult@gfirstbox{%
14796     \ifdim\dp\count@>\dimen\tw@

```



```

14797         \global\dimen\tw@\dp\count@ \fi
14798         \mc@col@status@write
14799         \box\count@
14800         \hss{\columnseprulecolor\vrule
14801             \@width\columnseprule}\hss}%
14802     \ifdim\dp\mult@rightbox>\dimen\tw@
14803         \global\dimen\tw@\dp\mult@rightbox \fi
14804     \mc@lastcol@status@write
14805     \box\mult@rightbox
14806 }
14807
14808 \def\RTL@column@boxes{%
14809     \ifnum\col@number<\tw@
14810         \LTR@column@boxes
14811     \else
14812         \process@cols\mult@gfirstbox{%
14813             \hskip\hsize
14814             \hss{\columnseprulecolor\vrule
14815                 \@width\columnseprule}\hss
14816         }%
14817         \hskip\hsize
14818         \process@cols\mult@gfirstbox{%
14819             \ifdim\dp\count@>\dimen\tw@
14820                 \global\dimen\tw@\dp\count@ \fi
14821             \hskip-\hsize
14822             \mc@col@status@write
14823             \box\count@
14824             \hskip-\hsize
14825             \hskip-\columnsep
14826         }%
14827         \ifdim\dp\mult@rightbox>\dimen\tw@
14828             \global\dimen\tw@\dp\mult@rightbox \fi
14829         \hskip-\hsize
14830         \mc@lastcol@status@write
14831         \box\mult@rightbox
14832         \hskip-\hsize
14833         \hskip\full@width
14834     \fi
14835 }
14836 \newcommand\RTLmulticolcolumns
14837     {\let\bidimulticol@align@columns
14838      \RTL@column@boxes}
14839 \newcommand\LTRmulticolcolumns
14840     {\let\bidimulticol@align@columns
14841      \LTR@column@boxes}
14842 \newcommand\bidimulticol@align@columns
14843     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14844 \bidimulticol@AtEndPreamble{%
14845     \if@bidi@csdef{footinsv1}{%
14846         \def\footnoterule{\kern-3\p@

```



```

14847      \hrule \@width \textwidth \kern 2.6\p@}%
14848    }{}%
14849  }
14850  \def\multicols#1{\col@number#1\relax
14851    \ifnum\col@number<\tw@
14852      \PackageWarning{multicol}%
14853        {Using `\'number\col@number'
14854          columns doesn't seem a good idea.^^J
14855          I therefore use two columns instead}%
14856      \col@number\tw@ \fi
14857    \ifnum\col@number>10
14858      \PackageError{multicol}%
14859        {Too many columns}%
14860        {Current implementation doesn't
14861          support more than 10 columns.%
14862          \MessageBreak
14863          I therefore use 10 columns instead}%
14864      \col@number10 \fi
14865    \ifx\@footnotetext\mult@footnotetext\else
14866      \let\orig@footnotetext\@footnotetext
14867      \let\@footnotetext\mult@footnotetext
14868    \fi
14869    \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14870      \let\orig@LTRfootnotetext\@LTRfootnotetext
14871      \let\@LTRfootnotetext\mult@LTRfootnotetext
14872    \fi
14873    \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14874      \let\orig@RTLfootnotetext\@RTLfootnotetext
14875      \let\@RTLfootnotetext\mult@RTLfootnotetext
14876    \fi
14877    \@ifnextchar[\mult@cols{\mult@cols[]}]
14878  \long\def\mult@footnotetext#1{\begingroup
14879    \hsize\textwidth
14880    \columnwidth\textwidth
14881    \orig@footnotetext{#1}\endgroup}
14882  \long\def\mult@LTRfootnotetext#1{\begingroup
14883    \hsize\textwidth
14884    \columnwidth\textwidth
14885    \orig@LTRfootnotetext{#1}\endgroup}
14886  \long\def\mult@RTLfootnotetext#1{\begingroup
14887    \hsize\textwidth
14888    \columnwidth\textwidth
14889    \orig@RTLfootnotetext{#1}\endgroup}
14890  \def\right@footnoterule{%
14891    \kern-3\p@
14892    \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14893    \kern2.6\p@}
14894  \def\textwidth@footnoterule{\kern-3\p@
14895    \hrule \@width \textwidth \kern 2.6\p@}
14896  \def\ bidi@leave@mult@copyins{%

```



```

14897 \advance\dimen@-\skip\@bidi@copyins@
14898 \advance\dimen@-\ht\@bidi@copyins@
14899 }
14900 \bidi@AtEndPreamble{%
14901 \if@bidi@csdef{footinsv@l}{%
14902 \def\bidi@leave@mult@footins@vr{%
14903 \advance\dimen@-\skip\footinsv@r
14904 \advance\dimen@-\ht\footinsv@r
14905 }%
14906 \def\bidi@leave@mult@footins@vl{%
14907 \advance\dimen@-\skip\footinsv@l
14908 \advance\dimen@-\ht\footinsv@l
14909 }%
14910 \def\bidi@init@mult@footinsv@r{%
14911 \multiply\count\footinsv@r\col@number
14912 \multiply\skip\footinsv@r\col@number
14913 }%
14914 \def\bidi@init@mult@footinsv@l{%
14915 \multiply\count\footinsv@l\col@number
14916 \multiply\skip\footinsv@l\col@number
14917 }%
14918 \def\bidi@reinsert@footnotesv@r{\ifvoid\footinsv@r\else
14919 \insert\footinsv@r{}\fi}%
14920 \def\bidi@reinsert@footnotesv@l{\ifvoid\footinsv@l\else
14921 \insert\footinsv@l{}\fi}%
14922 \bidi@patchcmd{\prepare@multicols}{%
14923 \reinsert@footnotes
14924 }{%
14925 \reinsert@footnotes
14926 \bidi@init@mult@footinsv@r
14927 \bidi@reinsert@footnotesv@r
14928 \bidi@init@mult@footinsv@l
14929 \bidi@reinsert@footnotesv@l
14930 }{}{}%
14931 \bidi@patchcmd{\multi@column@out}{%
14932 \ifnum \c@tracingmulticols>\thr@@
14933 }{%
14934 \ifvoid\footinsv@r
14935 \ifvoid\footinsv@l
14936 \else
14937 \PackageWarning{multicol}%
14938 {I moved some lines to
14939 the next page.\MessageBreak
14940 Footnotes on page
14941 \thepage\space might be wrong}%
14942 \fi
14943 \else
14944 \PackageWarning{multicol}%
14945 {I moved some lines to
14946 the next page.\MessageBreak

```



```

14947             Footnotes on page
14948             \thepage\space might be wrong}%
14949         \fi
14950     \ifnum \c@tracingmulticols>\thr@@
14951 }{}{}%
14952 \bidi@patchcmd{\endmulticols}{%
14953   \reinsert@footnotes
14954 }{%
14955   \reinsert@footnotes
14956   \bidi@reinsert@footnotesv@r
14957   \bidi@reinsert@footnotesv@l
14958 }{}{}%
14959 \bidi@patchcmd{\speci@ls}{%
14960   \reinsert@footnotes
14961 }{%
14962   \reinsert@footnotes
14963   \bidi@reinsert@footnotesv@r
14964   \bidi@reinsert@footnotesv@l
14965 }{}{}%
14966 \bidi@patchcmd{\speci@ls}{%
14967   \reinsert@footnotes
14968 }{%
14969   \reinsert@footnotes
14970   \bidi@reinsert@footnotesv@r
14971   \bidi@reinsert@footnotesv@l
14972 }{}{}%
14973 }{}%
14974 \bidi@patchcmd{\multi@column@out}{%
14975   \let\ifshr@kingsaved\ifshr@king
14976 }{%
14977   \if@bidi@csdef{footinsv@l}{%
14978     \divide\skip\footinsv@r\col@number
14979     \ifvoid\footinsv@r \else
14980       \bidi@leave@mult@footins@vr
14981     \fi
14982     \divide\skip\footinsv@l\col@number
14983     \ifvoid\footinsv@l \else
14984       \bidi@leave@mult@footins@vl
14985     \fi
14986   }{}%
14987   \ifvoid\@bidi@copyins@ \else
14988     \bidi@leave@mult@copyins
14989   \fi
14990   \let\ifshr@kingsaved\ifshr@king
14991 }{}{}%
14992 }

```

86 File multienum-xetex-bidi.def

```

14993 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]

```



```

14994 \renewcommand{\itemx}[1]{\parbox[t]{%
14995 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14996 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14997 \renewcommand{\itemxx}[2]{\parbox[t]{%
14998 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14999 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15000 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15001 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
15002 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15003 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15004 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15005 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15006 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
15007 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15008 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
15009 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
15010 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15011 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15012 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15013 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15014 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15015 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
15016 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15017 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
15018 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
15019 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15020 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
15021 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15022 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
15023 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15024 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
15025 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15026 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
15027 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15028 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
15029 \renewcommand{\itemxox}[2]{\parbox[t]{%
15030 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15031 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15032 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15033 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15034 \renewcommand{\itemxox}[2]{\parbox[t]{%
15035 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15036 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
15037 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15038 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
15039 \renewcommand{\itemxox}[3]{\parbox[t]{%
15040 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15041 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15042 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15043 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%

```



```

15044 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15045 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15046 \renewcommand{\itemxxox}[3]{\parbox[t]{%
15047 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15048 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15049 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15050 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
15051 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15052 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15053 \renewcommand{\itemxxox}[3]{\parbox[t]{%
15054 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15055 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15056 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15057 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15058 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15059 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

87 File natbib-xetex-bidi.def

```

15060 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
15061 \renewenvironment{thebibliography}[1]{%
15062 \bibsection
15063 \parindent\z@
15064 \bibpreamble
15065 \bibfont
15066 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15067 \bidi@@thebibliography@font@hook%
15068 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15069 \ifNAT@openbib
15070 \renewcommand\newblock{\par}%
15071 \else
15072 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15073 \fi
15074 \sloppy\clubpenalty4000\widowpenalty4000
15075 \sfcode`\.\@m
15076 \let\NAT@bibitem@first@sw\@firstoftwo
15077 \let\citeN\cite \let\shortcite\cite
15078 \let\citeasnoun\cite
15079 }{%
15080 \bibitem@fin
15081 \bibpostamble
15082 \def\@noitemerr{%
15083 \PackageWarning{natbib}{Empty `thebibliography' environment}%
15084 }%
15085 \endlist
15086 \bibcleanup
15087 }%

```

88 File newfloat-xetex-bidi.def



```

15088 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
15089 \renewcommand*{\newfloat@setwithin}[2]{%
15090   \ifcsname c@chapter\endcsname
15091     \@removefromreset{#1}{chapter}%
15092   \fi
15093   \@removefromreset{#1}{section}%
15094   \edef\@tempa{#2}%
15095   \ifx\@tempa\@empty
15096     \def\@tempb{none}%
15097   \fi
15098   \def\@tempb{none}%
15099   \ifx\@tempa\@tempb
15100     \ifcsname c@chapter\endcsname
15101       \@chapterlistsgap@off{#1}%
15102     \fi
15103     \newfloat@@setwithin{#1}{-}{-}%
15104   \else
15105     \def\@tempb{chapter}%
15106     \ifx\@tempa\@tempb
15107       \@addtoreset{#1}{chapter}%
15108       \@chapterlistsgap@on{#1}%
15109       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
15110     \else
15111       \def\@tempb{section}%
15112       \ifx\@tempa\@tempb
15113         \@addtoreset{#1}{section}%
15114         \ifcsname c@chapter\endcsname
15115           \@addtoreset{#1}{chapter}%
15116           \@chapterlistsgap@on{#1}%
15117           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15118         \else
15119           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
15120         \fi
15121       \else
15122         \newfloat@Error{Invalid value `#2' for option `within'}%
15123       \fi
15124     \fi
15125   \fi}

```

89 File ntheorem-xetex-bidi.def

```

15126 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
15127 \gdef\@thm#1#2#3{%
15128   \if@thmmarks
15129     \stepcounter{end\InTheoType ctr}%
15130   \fi
15131   \renewcommand{\InTheoType}{#1}%
15132   \if@thmmarks
15133     \stepcounter{curr#1ctr}%
15134     \setcounter{end#1ctr}{0}%

```




```

15135 \fi
15136 \refstepcounter{#2}%
15137 \theorem@prework
15138 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15139 \ifvmode \advance\thm@topsepadd\partopsep\fi
15140 \trivlist
15141 \@topsep \theorempreskipamount
15142 \@topsepadd \thm@topsepadd % used by \@endparenv
15143 \advance\linewidth -\theorem@indent
15144 \advance\@totalleftmargin \theorem@indent
15145 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15146 \@ifnextchar[{\@ythem{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

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

```

15147 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
15148 \gdef\@thm#1#2#3{%
15149   \if@thmmarks
15150     \stepcounter{end\InTheoType ctr}%
15151   \fi
15152   \renewcommand{\InTheoType}{#1}%
15153   \if@thmmarks
15154     \stepcounter{curr#1ctr}%
15155     \setcounter{end#1ctr}{0}%
15156   \fi
15157   \refstepcounter{#2}%
15158   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15159   \ifvmode \advance\thm@topsepadd\partopsep\fi
15160   \trivlist
15161   \@topsep \theorempreskipamount
15162   \@topsepadd \thm@topsepadd % used by \@endparenv
15163   \advance\linewidth -\theorem@indent
15164   \advance\@totalleftmargin \theorem@indent
15165   \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15166   \@ifnextchar[{\@ythem{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

91 File `overpic-xetex-bidi.def`

```

15167 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
15168 \renewenvironment{overpic}[2][\]{%
15169   \sbox{\z@}{\includegraphics[#1]{#2}}%
15170   \settodepth{\@tempcnta}{\usebox{\z@}}%
15171   \settoheight{\@tempcntb}{\usebox{\z@}}%
15172   \advance\@tempcntb\@tempcnta%
15173   \settowidth{\@tempcnta}{\usebox{\z@}}%
15174   \setlength{\@tempdima}{\unitlength}%
15175   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
15176 %
15177   \OVP@calc%
15178 %

```



```

15179 \begin{picture}(\@tempcnta,\@tempcntb)%
15180 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
15181 \ifGin@grid%
15182 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15183 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15184 \fi\fi%
15185 % reset the graphics parameter
15186 \let\Gin@outer@scalex\relax
15187 \let\Gin@outer@scaley\relax
15188 \let\Gin@angle\relax
15189 \let\Gin@ewidth\Gin@exclamation
15190 \let\Gin@eheight\Gin@ewidth
15191 \def\Gin@scalex{1}
15192 \let\Gin@scaley\Gin@exclamation
15193 }{%
15194 \if@RTL\ifGin@grid%
15195 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15196 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15197 \fi%
15198 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15199 \end{picture}%
15200 }%

```

92 File pdfbase-xetex-bidi.def

```

15201 \ProvidesFile{pdfbase-xetex-bidi.def}[2018/09/29 v0.2 bidi adaptations for pdfbase package for
15202 \ExplSyntaxOn
15203 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15204 \cs_set_nopar:Npn\@outputpage{
15205 \int_gincr:N\g_pbs_page_int
15206 \iow_now:Nx\@mainaux{
15207 \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
15208 }
15209 \box_if_vertical:cTF{\@outputbox}{
15210 \bool_set_true:N\l_pbs_is_vertical_bool
15211 }{
15212 \bool_set_false:N\l_pbs_is_vertical_bool
15213 }
15214 \hbox_set:Nn\@outputbox{
15215 %begin of page
15216 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15217 \box_use_clear:N\@outputbox
15218 %end of page
15219 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15220 }
15221 \bool_if:NT\l_pbs_is_vertical_bool{
15222 \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
15223 }
15224 \pbs_outputpage_orig:
15225 }

```



15226 \ExplSyntaxOff

93 File pdfpages-xetex-bidi.def

```
15227 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15228 \renewcommand*{\includepdf}[2][{}]{%
15229   \begingroup
15230   \@RTLfalse
15231   \let\AM@threadname\relax
15232   \AM@split@options{pdfpages}{#1}%
15233   \edef\AM@temp{\pdfpages{\the\@temptokena}}%
15234   \expandafter\setkeys\AM@temp
15235   \ifthenelse{\boolean{AM@pkg@draft}\and\boolean{AM@survey}}{%
15236     \let\AM@currentdocname\relax
15237     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
15238     \def\AM@pagecount{0}%
15239   }{%
15240     \AM@findfile{#2}%
15241     \if\AM@threadname\relax
15242       \def\AM@threadname{\AM@currentdocname}%
15243     \fi
15244   }%
15245   \ifAM@survey
15246     \def\AM@pagestemp{}%
15247     \@tempcnta=0
15248     \def\foo{%
15249       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15250         {\let\foo\relax}
15251         {\expandafter\ifx\expandafter\\AM@pagestemp\\
15252           \edef\AM@pagestemp{%
15253             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15254           \else
15255             \edef\AM@pagestemp{\AM@pagestemp,%
15256               \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15257           \fi
15258           \advance\@tempcnta 1\relax
15259         }%
15260     \foo
15261   }%
15262   \foo
15263   \expandafter\ifx\expandafter\\AM@pagestemp\\
15264     \def\AM@pagestemp{1}%
15265   \fi
15266 \fi
15267 \ifAM@output
15268   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15269   \AM@output{#1}%
15270 \fi
15271 \AM@CheckAtEnd
15272 \endgroup
```



```

15273 \AM@ClearShipoutPicture
15274 }

```

94 File pgfcorescopes.code-xetex-bidi.def

```

15275 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15276 \def\pgfpicture{%
15277   \begingroup%
15278   \ifmmode\else\@RTLfalse\beginL\fi%
15279   \pgfpicturetrue%
15280   \global\advance\pgf@picture@serial@count by1\relax%
15281   \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
15282   \let\pgf@nodecallback=\pgfutil@gobble%
15283   \pgf@picmaxx=-16000pt\relax%
15284   \pgf@picminx=16000pt\relax%
15285   \pgf@picmaxy=-16000pt\relax%
15286   \pgf@picminy=16000pt\relax%
15287   \pgf@relevantforpicturesizetrue%
15288   \pgf@resetpathsizes%
15289   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
15290 \def\endpgfpicture{%
15291   \ifpgfrememberpicturepositiononpage%
15292     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}}%
15293   \fi%
15294   % ok, now let's position the box
15295   \ifdim\pgf@picmaxx=-16000pt\relax%
15296     % empty picture. make size 0.
15297     \global\pgf@picmaxx=0pt\relax%
15298     \global\pgf@picminx=0pt\relax%
15299     \global\pgf@picmaxy=0pt\relax%
15300     \global\pgf@picminy=0pt\relax%
15301   \fi%
15302   % Shift baseline outside:
15303   \pgf@relevantforpicturesizefalse%
15304   \pgf@process{\pgf@baseline}%
15305   \xdef\pgf@shift@baseline{\the\pgf@y}%
15306   %
15307   \pgf@process{\pgf@trimleft}%
15308   \global\advance\pgf@x by-\pgf@picminx
15309   % prepare \hskip\pgf@trimleft@final.
15310   % note that \pgf@trimleft@final is also queried
15311   % by the pgf image externalization.
15312   \xdef\pgf@trimleft@final{-\the\pgf@x}%
15313   %
15314   \pgf@process{\pgf@trimright}%
15315   \global\advance\pgf@x by-\pgf@picmaxx
15316   % prepare \hskip\pgf@trimright@final.
15317   % note that \pgf@trimright@final is also queried
15318   % by the pgf image externalization.
15319   \xdef\pgf@trimright@final{\the\pgf@x}%

```



```

15320      %
15321      \pgf@remember@layerlist@globally
15322      \endgroup%
15323      \hss%
15324      \egroup%
15325      \pgf@restore@layerlist@from@global
15326      \pgf@insertlayers%
15327      \endgroup%
15328      \pgfsys@discardpath%
15329      \endgroup%
15330      \pgfsys@endscope%
15331      \pgfsys@endpicture%
15332      \endgroup%
15333      \hss
15334      \egroup%
15335      \pgfsys@typesetpicturebox\pgfpic%
15336      \ifmmode\else\endL\fi%
15337      \endgroup%
15338 }

```

95 File `picinpar-xetex-bidi.def`

```

15339 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15340 \long\def\@makewincaption#1#2{%
15341   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15342   \ifdim\wd\@tempboxa>\picwd
15343     {\footnotesize{\bf #1:\enspace}{#2\par}}
15344   \else
15345     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15346   \fi}
15347 \def\endwindow{%
15348   \global\tcd=\tcdsav
15349   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15350   \vbadness=10000
15351   \splittopskip=0pt
15352 %
15353 % Typeset the lines above the window
15354 %
15355 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15356 \tcn=\tcd
15357 \loop\advance\tcn -1
15358 \setbox\fslice=\vsplit\holder to\baselineskip
15359 \prune\fslice\linewidth
15360 \topheight=0pt
15361 \ifnum\dp\fslice>\dp\wstrutbox
15362   \advance\topheight-\dp\fslice
15363   \advance\topheight\dp\wstrutbox
15364   \advance\topheight\ilg\fi
15365 \hbox to\linewidth{\box\fslice}
15366 \vskip-\topheight

```



```

15367 \ifdim\ht\holder>0pt\repeat
15368 \fi
15369 %
15370 % Now we build the boxes beside the window
15371 %
15372 \global\topheight=\tcl\baselineskip
15373 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15374     \global\topheight=\vpic
15375 \fi
15376 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15377 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15378 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15379 \tcn=\tcl \na=0 \nb=0
15380 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15381 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15382 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15383 \ifnum\na=0\ifnum\nb=0
15384     \setbox\waslice=\vbox to\vpic{\vss}
15385     \setbox\wbslice=\vbox to\vpic{\vss}
15386     \bl=1\br=1
15387     \vskip\ilg
15388 \fi\fi
15389 %
15390 % both sides
15391 %
15392 \ifnum\na>0 \ifnum\nb>0
15393 \loop\advance\nb -1
15394 \advance\na -1
15395 \if@RTL%
15396 \setbox\bslice=\vsplit\holder to\baselineskip
15397 \prune\bslice\rtside
15398 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15399 to\rtside{\box\bslice\hfil}}
15400 \setbox\aslice=\vsplit\holder to\baselineskip
15401 \prune\aslice\lftside
15402 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15403 to\lftside{\box\aslice\hfil}}
15404 \else%
15405 \setbox\aslice=\vsplit\holder to\baselineskip
15406 \prune\aslice\lftside
15407 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15408 to\lftside{\box\aslice\hfil}}
15409 \setbox\bslice=\vsplit\holder to\baselineskip
15410 \prune\bslice\rtside
15411 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15412 to\rtside{\box\bslice\hfil}}
15413 \fi%
15414 \ifnum\nb>0\repeat
15415 \fi\fi
15416 %

```



```

15417% only text on the left side
15418%
15419\ifnum\na>0
15420  \loop\advance\na -1
15421  \setbox\aslice=\vsplit\holder to\baselineskip
15422  \prune\aslice\lftside
15423  \setbox\waslice=\vbox{\unvbox\waslice\hbox
15424  to\lftside{\box\aslice\hfil}}
15425  \ifdim\ht\holder>0pt\repeat
15426\fi
15427%
15428% only text on the right side
15429%
15430\ifnum\nb>0
15431  \loop\advance\nb -1
15432  \setbox\bslice=\vsplit\holder to\baselineskip
15433  \prune\bslice\rtside
15434  \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15435  to\rtside{\box\bslice\hfil}}
15436  \ifdim\ht\holder>0pt\repeat
15437\fi
15438%
15439% fixing the dimensions of the window part
15440%
15441\ifnum\bl=0\topheight=\ht\wbslice
15442\else\ifnum\br=0\topheight=\ht\waslice
15443  \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15444  \else\topheight=\ht\wbslice\fi\fi\fi
15445%
15446% ship out the window material to the main vertical list
15447%
15448\ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15449\setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15450\fi\fi\fi
15451\setbox>windowbox=\vbox{\hbox to\linewidth{%
15452\ifnum\bl>0\box\waslice\hfill\fi%
15453\vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15454\vfill\unvbox\picbox%
15455\ifnum\picwd>0\vfill\fi%
15456\vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15457\unvbox>windowbox%
15458\loop
15459 \setbox\bslice=\vsplit\rawtext to\baselineskip
15460 \prune\bslice\linewidth
15461 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15462 \unvbox\wbslice
15463 \ifdim\ht\rawtext>0pt
15464 \repeat
15465}% FINITO

```



96 File plain-xetex-bidi.def

```
15466 \def\TeXeTOn{\TeXeTstate=1 }
15467 \def\TeXeTOff{\TeXeTstate=0 }
15468 \TeXeTOn
15469 \def\usebox#1{\leavevmode\copy #1\relax}
15470 \def\bidirectional@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15471 \let\bidirectional@everypar=\everypar
15472 \newtoks\bidirectional@everypar
15473 \bidirectional@everypar\expandafter{\the\bidirectional@everypar}
15474 \bidirectional@everypar{\bidirectional@everypar\the\bidirectional@everypar}
15475 \let\everypar=\bidirectional@everypar
15476 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15477 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15478 \protected\def\hboxR{\hbox\bgroup
15479 \everyhbox{%
15480 \aftergroup\egroup
15481 \everyhbox{}}%
15482 \beginR
15483 \@hboxRconstructtrue
15484 \bgroup
15485 \aftergroup\endR
15486 \aftergroup\egroup
15487 }\hbox}
15488 \protected\def\hboxL{\hbox\bgroup
15489 \everyhbox{%
15490 \aftergroup\egroup
15491 \everyhbox{}}%
15492 \beginL
15493 \@hboxRconstructfalse
15494 \bgroup
15495 \aftergroup\endL
15496 \aftergroup\egroup
15497 }\hbox}
15498 \protected\def\vboxR{\vbox\bgroup
15499 \everyvbox{%
15500 \aftergroup\egroup
15501 \everyvbox{}}%
15502 \@RTLtrue
15503 \bgroup
15504 \aftergroup\egroup
15505 }\vbox}
15506 \protected\def\vboxL{\vbox\bgroup
15507 \everyvbox{%
15508 \aftergroup\egroup
15509 \everyvbox{}}%
15510 \@RTLfalse
15511 \bgroup
15512 \aftergroup\egroup
15513 }\vbox}
```




```

15514 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15515 \def\endLTR{\par}
15516 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15517 \def\endRTL{\par}
15518 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15519 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15520 \let\unsetRTL=\setLTR
15521 \let\unsetLTR=\setRTL
15522 \let\LR=\LRE
15523 \let\RL=\RLE
15524 \def\@ensureRTL#1{\if@RTL#1\else\RLE{#1}\fi}
15525 \def\@ensureLTR#1{\if@RTL\LRE{#1}\else#1\fi}
15526 \let\@ensureRL=\@ensureRTL
15527 \let\@ensureLR=\@ensureLTR
15528 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15529 \let\@ensure@maindir=\@ensure@dir
15530 \def\@RTL{RTL}
15531 \def\@LTR{LTR}
15532 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
15533 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
15534 \let\@TeX\TeX
15535 \def\TeX{\@ensure@LTR{\@TeX}}
15536 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15537 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
15538 \ifvoid\footins\else % footnote info is present
15539 \vskip\skip\footins
15540 \footnoterule
15541 \unvbox\footins\fi
15542 \ifrggedbottom \kern-\dimen@ \vfil \fi
15543 \ifvoid\@bidi@copyins@
15544 \else
15545 \vskip\skip\@bidi@copyins@
15546 \unvbox\@bidi@copyins@
15547 \fi
15548 }
15549 \long\def\bidi@reflect@box#1{%
15550 \leavevmode
15551 \setbox\z@\hbox{{#1}}%
15552 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15553 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15554 }
15555 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
15556 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15557 \let\setRL=\setRTL
15558 \let\setLR=\setLTR
15559 \let\unsetRL=\setLTR
15560 \let\bidi@saved@eqno=\eqno
15561 \let\bidi@saved@leqno=\leqno
15562 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
15563 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}

```



```

15564 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15565 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15566 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

97 File pstricks-xetex-bidi.def

```

15567 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15568 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15569 \def\endpspicture{%
15570   \ifshowgrid\ifnum\showgridp>0
15571     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15572   \pst@killglue
15573 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
15574   \endgroup
15575   \egroup
15576   \ifdim\wd\pst@hbox=\z@ \else
15577     %\@pstrickserr{Extraneous space in the pspicture environment}%
15578     %\Type \space <return> \space to proceed.}%
15579   \fi
15580   \ht\pst@hbox=\pst@dimd
15581   \dp\pst@hbox=-\pst@dimb
15582   \setbox\pst@hbox=\hbox{%
15583     \kern-\pst@dimd
15584 %   Orig version -----
15585 %\ifx\pst@tempa\@empty\else
15586 %\advance\pst@dimd-\pst@dimb
15587 %\pst@dimd=\pst@tempa\pst@dimd
15588 %\advance\pst@dimd\pst@dimb
15589 %\lower\pst@dimd
15590 %\fi
15591 %----- end Orig
15592   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift==
15593     \advance\pst@dimd-\pst@dimb
15594     \pst@dimd=0.5\pst@dimd
15595   \else\pst@dimd-\pst@shift\fi
15596   \advance\pst@dimd\pst@dimb
15597   \lower\pst@dimd
15598   \box\pst@hbox
15599   \kern\pst@dimc}%
15600 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15601 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15602 \fboxsep=0pt
15603 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15604 \ifmmode\else\endL\fi
15605 \endgroup%
15606 \psset[pstricks]{shift=0}% reset value
15607 }

```

98 File quotchap-xetex-bidi.def



```

15608 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15609 \renewcommand{\qauthor}[1]{%
15610   \par\smallskip
15611   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
15612 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15613   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15614     {\chapnumfont
15615       \ifnum \c@secnumdepth >\m@ne%
15616       \if@mainmatter\thechapter%
15617       \fi\fi
15618       \par\nobreak}%
15619     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10pt}
15620     \nobreak\chapterheadendvskip}}
15621 \renewcommand*{\@iprintcites}{%
15622   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15623   \global\let\@printcites\relax}

```

99 File ragged2e-xetex-bidi.def

```

15624 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
15625 \renewcommand{\Centering}{%
15626   \ifx\\ \@raggedtwoe@savedcr
15627     \let\\ \@centercr
15628   \fi
15629   \let\@gnewline\@raggedtwoe@gnewline
15630   \if@RTL\rightrightmargin\else\leftmargin\fi\CenteringLeftskip
15631   \@rightskip\CenteringRightskip
15632   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip
15633   \parfillskip\CenteringParfillskip
15634   \parindent\CenteringParindent
15635   \@raggedtwoe@spaceskiptrue
15636   \@raggedtwoe@everyselectfont
15637 }
15638 \renewcommand{\RaggedLeft}{%
15639   \ifx\\ \@raggedtwoe@savedcr
15640     \let\\ \@centercr
15641   \fi
15642   \let\@gnewline\@raggedtwoe@gnewline
15643   \if@RTL\rightrightmargin\else\leftmargin\fi\RaggedLeftLeftskip
15644   \@rightskip\RaggedLeftRightskip
15645   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip
15646   \parfillskip\RaggedLeftParfillskip
15647   \parindent\RaggedLeftParindent
15648   \@raggedtwoe@spaceskiptrue
15649   \@raggedtwoe@everyselectfont
15650 }
15651 \renewcommand{\RaggedRight}{%
15652   \ifx\\ \@raggedtwoe@savedcr
15653     \let\\ \@centercr
15654   \fi

```



```

15655 \let\@gnewline\@raggedtwoe@gnewline
15656 \if@RTL\rightright\else\leftskip\fi\RaggedRightLeftskip
15657 \@rightskip\RaggedRightRightskip
15658 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15659 \parfillskip\RaggedRightParfillskip
15660 \parindent\RaggedRightParindent
15661 \@raggedtwoe@spaceskiptrue
15662 \@raggedtwoe@everyselectfont
15663 }
15664 \renewcommand{\justifying}{%
15665 \let\\@raggedtwoe@savdcr
15666 \let\@gnewline\@raggedtwoe@savd@gnewline
15667 \if@RTL\rightright\else\leftskip\fi\z@
15668 \@rightskip\z@
15669 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15670 \parfillskip\JustifyingParfillskip
15671 \parindent\JustifyingParindent
15672 \@raggedtwoe@spaceskipfalse
15673 \@raggedtwoe@everyselectfont
15674 }
15675 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{%
15676 \CheckCommand*{\arrayparboxrestore}{%
15677 \let\if@nobreak\iffalse
15678 \let\if@noskipsec\iffalse
15679 \let\par\@par
15680 \let\-\@dischyph
15681 \let'\@acci\let'\@accii\let\=\@acciii
15682 \parindent\z@ \parskip\z@skip
15683 \everypar{}%
15684 \linewidth\hsize
15685 \@totalleftmargin\z@
15686 \if@RTL\rightright\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
15687 \parfillskip\@flushglue \lineskip\normallineskip
15688 \baselineskip\normalbaselineskip
15689 \sloppy}%
15690 \renewcommand{\arrayparboxrestore}{%
15691 \let\if@nobreak\iffalse
15692 \let\if@noskipsec\iffalse
15693 \let\par\@par
15694 \let\-\@dischyph
15695 \let'\@acci\let'\@accii\let\=\@acciii
15696 \parskip\z@skip
15697 \everypar{}%
15698 \linewidth\hsize
15699 \@totalleftmargin\z@
15700 \RaggedRight
15701 \lineskip\normallineskip
15702 \baselineskip\normalbaselineskip
15703 \sloppy}%
15704 \let\@raggedtwoe@raggedrightboxes@opt\relax

```



```

15705 }
15706 \let\origin@RaggedLeft=\RaggedLeft
15707 \let\origin@RaggedRight=\RaggedRight
15708 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15709 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

100 File rapport1-xetex-bidi.def

```

15710 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for]
15711 \renewenvironment{theindex}{%
15712   \if@twocolumn
15713     \@restonecolfalse
15714   \else
15715     \@restonecoltrue
15716   \fi
15717   \columnseprule \z@
15718   \columnsep 35\p@
15719   \twocolumn[\@makeschapterhead{\indexname}]%
15720   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15721   \thispagestyle{plain}\parindent\z@
15722   \parskip\z@ \@plus .3\p@\relax
15723   \let\item\@idxitem
15724 }{%
15725   \if@restonecol\onecolumn\else\clearpage\fi}
15726 \renewcommand*{\head@style}{%
15727   \interlinepenalty \@M
15728   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15729   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15730 \if@titlepage
15731   \renewenvironment{abstract}{%
15732     \titlepage
15733     \null\vfil
15734     \section*{\SectFont\abstractname}%
15735     \noindent\ignorespaces
15736   {\par\vfil\null\endtitlepage}
15737 \else
15738   \renewenvironment{abstract}{%
15739     \if@twocolumn
15740       \section*{\abstractname}%
15741     \else
15742       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15743       \section*{\small\SectFont\abstractname}%
15744       \noindent\ignorespaces
15745     \fi}
15746   {\if@twocolumn\else\par\egroup\fi}
15747 \fi
15748 \renewcommand*{\@regtocline}[3]{%
15749   \ifnum #1>\c@tocdepth
15750   \else
15751     \vskip\z@ \@plus .2\p@

```



```

15752 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15753 \if@RTL\righskip\else\leftskip\fi\unitindent
15754 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15755 \parfillskip\z@
15756 \@tempdima\unitindent
15757 \parindent\z@
15758 \leavevmode
15759 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15760 \hskip 1em \nobreak{\slshape #3}\par
15761 }%
15762 \fi}
15763 \if@oldtoc
15764 \renewcommand*\l@part[2]{%
15765 \ifnum \c@tocdepth >-2\relax
15766 \addpenalty{-\@highpenalty}%
15767 \addvspace{2.25em \@plus\p@}%
15768 \begingroup
15769 \setlength\@tempdima{3em}%
15770 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15771 \parfillskip -\@pnumwidth
15772 {\leavevmode
15773 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15774 \nobreak
15775 \global\@nobreaktrue
15776 \everypar{\global\@nobreakfalse\everypar{}}%
15777 \endgroup
15778 \fi}
15779 \else
15780 \renewcommand*\l@part{%
15781 \ifnum \c@tocdepth >-2\relax
15782 \addpenalty{-\@highpenalty}%
15783 \addvspace{2.25em \@plus \p@}%
15784 \@regtocline{0}%
15785 \fi}
15786 \fi
15787 \if@oldtoc
15788 \renewcommand*\l@chapter[2]{%
15789 \addpenalty{-\@highpenalty}%
15790 \vskip 1.0em \@plus\p@
15791 \setlength\@tempdima{1.5em}%
15792 \begingroup
15793 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15794 \parfillskip -\@pnumwidth
15795 \leavevmode \bfseries
15796 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
15797 \hskip -\if@RTL\righskip\else\leftskip\fi
15798 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15799 \penalty\@highpenalty
15800 \endgroup}
15801 \else

```



```

15802 \renewcommand*\l@chapter{\@regtocline{0}}
15803 \fi
15804 \renewcommand*\left@footnoterule{%
15805   \kern-3\p@
15806   \kern.5\baselineskip
15807   \hrule\@width\unitindent
15808   \kern.4\baselineskip
15809 }
15810 \renewcommand*\right@footnoterule{%
15811   \kern-3\p@
15812   \kern.5\baselineskip
15813   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15814   \kern.4\baselineskip}
15815 \renewenvironment{thebibliography}[1]
15816   {\chapter*{\bibname}%
15817     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15818     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15819     \bidi@thebibliography@font@hook%
15820     \list{\@biblabel{\@arabic\c@enumiv}}{%
15821       {\settowidth\labelwidth{\@biblabel{#1}}%
15822         \leftmargin\labelwidth
15823         \advance\leftmargin\labelsep
15824         \@openbib@code
15825         \usecounter{enumiv}%
15826         \let\p@enumiv\@empty
15827         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15828     \sloppy\clubpenalty4000\widowpenalty4000%
15829     \sfcode`.\@m}
15830 {\def\@noitemerr
15831   {\@latex@warning{Empty `thebibliography' environment}}%
15832   \endlist}
15833 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15834 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15835 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15836 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15837 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15838 \renewcommand*\theequation{%
15839   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15840 \renewcommand*\thefigure{%
15841   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
15842 \renewcommand*\thetable{%
15843   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
15844 \if@titlepage
15845 \renewcommand*\TitleFont{\rmfamily}
15846 \renewcommand*\maketitle{%
15847   \begin{titlepage}%
15848     \let\footnotesize\small
15849     \let\right@footnoterule\relax
15850     \let\left@footnoterule\relax
15851     \let\textwidth\footnoterule\relax

```



```

15852 \let \footnote \thanks
15853 \long\def\@makefntext##1{\parindent\z@
15854     \def\labelitemi{\textendash}\@revlabeltrue
15855     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15856 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15857 \if@compatibility\setcounter{page}{0}\fi
15858 \null\vfil
15859 \vskip 60\p@
15860 \begin{center}%
15861     \TitleFont
15862     {\LARGE \def\{\{\penalty -\@M}
15863     \if@allcaps
15864         \expandafter\uc@nothanks\@title\thanks\relax
15865     \else
15866         \@title
15867     \fi\par}%
15868 \vskip 3em%
15869 {\large
15870     \lineskip .75em \parindent\z@
15871     \begin{tabular}[t]{c}%
15872         \if@allcaps
15873             \expandafter\uc@author\@author\and\relax
15874         \else
15875             \@author
15876         \fi
15877     \end{tabular}\par}%
15878 \vskip 1.5em%
15879 {\large
15880     \if@allcaps
15881         \uppercase\expandafter{\@date}%
15882     \else
15883         \@date
15884     \fi\par}%
15885 \end{center}\par
15886 \@thanks
15887 \vfil\null
15888 \end{titlepage}%
15889 \setcounter{footnote}{0}%
15890 \global\let\thanks\relax
15891 \global\let\maketitle\relax
15892 \global\let\@thanks\@empty
15893 \global\let\@author\@empty
15894 \global\let\@title\@empty
15895 \global\let\@date\@empty
15896 \global\let\title\relax
15897 \global\let\author\relax
15898 \global\let\date\relax
15899 \global\let\and\relax
15900 }
15901 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}

```




```

15902 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15903     \futurelet\@tempa\uc@ax}
15904 \def\uc@ax{%
15905     \ifx\@tempa\relax
15906     \else
15907         \\\ \andname \\\ \expandafter\uc@authornothanks
15908     \fi}
15909 \def\uc@tx{\ifx\@tempa\relax
15910     \else \expandafter\uc@ty \fi}
15911 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15912 \else
15913 \renewcommand*\maketitle{\par
15914     \begingroup
15915     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15916     \def\@makefnmark{\rlap{%
15917         \@textsuperscript{\normalfont\@thefnmark}}}%
15918     \long\def\@makefntext{\@xmakefntext{%
15919         \@textsuperscript{\normalfont\@thefnmark}}}%
15920     \if@twocolumn
15921         \ifnum \col@number=\@ne
15922             \@maketitle
15923         \else
15924             \twocolumn[\@maketitle]%
15925         \fi
15926     \else
15927         \newpage
15928         \global\@topnum\z@
15929         \@maketitle
15930     \fi
15931     \thispagestyle{plain}\@thanks
15932 \endgroup
15933 \setcounter{footnote}{0}%
15934 \global\let\thanks\relax
15935 \global\let\maketitle\relax
15936 \global\let\@maketitle\relax
15937 \global\let\@thanks\@empty
15938 \global\let\@author\@empty
15939 \global\let\@title\@empty
15940 \global\let\@date\@empty
15941 \global\let\title\relax
15942 \global\let\author\relax
15943 \global\let\date\relax
15944 \global\let\and\relax
15945 }
15946 \def\@maketitle{%
15947     \newpage
15948     \null
15949     \vskip 2em%
15950     \begin{center}%
15951         \let \footnote \thanks

```



```

15952 {\LARGE \TitleFont \@title \par}%
15953 \vskip 1.5em%
15954 {\large \TitleFont
15955 \lineskip .5em%
15956 \begin{tabular}[t]{c}%
15957 \@author
15958 \end{tabular}\par}%
15959 \vskip 1em%
15960 {\large \TitleFont \@date}%
15961 \end{center}%
15962 \par
15963 \vskip 1.5em}
15964 \fi

```

101 File rapport3-xetex-bidi.def

```

15965 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15966 \renewenvironment{theindex}{%
15967 \if@twocolumn
15968 \@restonecolfalse
15969 \else
15970 \@restonecoltrue
15971 \fi
15972 \columnseprule \z@
15973 \columnsep 35\p@
15974 \twocolumn[\@makeschapterhead{\indexname}]{%
15975 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
15976 \thispagestyle{plain}\parindent\z@
15977 \parskip\z@ \@plus .3\p@\relax
15978 \let\item\@idxitem
15979 }{%
15980 \if@restonecol\onecolumn\else\clearpage\fi}
15981 \if@titlepage
15982 \renewcommand*\TitleFont{\rmfamily}
15983 \renewcommand*\maketitle{%
15984 \begin{titlepage}%
15985 \let\footnotesize\small
15986 \let\right@footnoterule\relax
15987 \let\left@footnoterule\relax
15988 \let\textwidth@footnoterule\relax
15989 \let \footnote \thanks
15990 \let \LTRfootnote \LTRthanks
15991 \let \RTLfootnote \RTLthanks
15992 \long\def\@makefnintext##1{\parindent\z@
15993 \def\labelitemi{\textendash}\@revlabeltrue
15994 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15995 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15996 \if@compatibility\setcounter{page}{0}\fi
15997 \null\vfil
15998 \vskip 60\p@

```



```

15999 \begin{center}%
16000 \TitleFont
16001 {\LARGE \def\{\{\penalty -\@M}
16002 \if@allcaps
16003 \expandafter\uc@nothanks\@title\thanks\relax
16004 \else
16005 \@title
16006 \fi\par}%
16007 \vskip 3em%
16008 {\large
16009 \lineskip .75em \parindent\z@
16010 \begin{tabular}[t]{c}%
16011 \if@allcaps
16012 \expandafter\uc@authornothanks\@author\and\relax
16013 \else
16014 \@author
16015 \fi
16016 \end{tabular}\par}%
16017 \vskip 1.5em%
16018 {\large
16019 \if@allcaps
16020 \uppercase\expandafter{\@date}%
16021 \else
16022 \@date
16023 \fi\par}%
16024 \end{center}\par
16025 \@thanks
16026 \vfil\null
16027 \end{titlepage}%
16028 \setcounter{footnote}{0}%
16029 \global\let\thanks\relax
16030 \global\let\LTRthanks\relax
16031 \global\let\RTLthanks\relax
16032 \global\let\maketitle\relax
16033 \global\let\@thanks\@empty
16034 \global\let\@author\@empty
16035 \global\let\@title\@empty
16036 \global\let\@date\@empty
16037 \global\let\title\relax
16038 \global\let\author\relax
16039 \global\let\date\relax
16040 \global\let\and\relax
16041 }
16042 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16043 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16044 \futurelet\@tempa\uc@ax}
16045 \def\uc@ax{%
16046 \ifx\@tempa\relax
16047 \else
16048 \\\ \andname \\\ \expandafter\uc@authornothanks

```



```

16049 \fi}
16050 \def\uc@tx{\ifx\@tempa\relax
16051     \else \expandafter\uc@ty \fi}
16052 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16053 \else
16054 \renewcommand*\maketitle{\par
16055 \begingroup
16056     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16057     \def\@makefnmark{\rlap{%
16058         \@textsuperscript{\normalfont\@thefnmark}}}%
16059     \long\def\@makefnmark{\@xmakefnmark{%
16060         \@textsuperscript{\normalfont\@thefnmark}}}%
16061     \if@twocolumn
16062         \ifnum \col@number=\@one
16063             \@maketitle
16064         \else
16065             \twocolumn[\@maketitle]%
16066         \fi
16067     \else
16068         \newpage
16069         \global\@topnum\z@
16070         \@maketitle
16071     \fi
16072     \thispagestyle{plain}\@thanks
16073 \endgroup
16074 \setcounter{footnote}{0}%
16075 \global\let\thanks\relax
16076 \global\let\LTRthanks\relax
16077 \global\let\RTLthanks\relax
16078 \global\let\maketitle\relax
16079 \global\let\@maketitle\relax
16080 \global\let\@thanks\@empty
16081 \global\let\@author\@empty
16082 \global\let\@title\@empty
16083 \global\let\@date\@empty
16084 \global\let\title\relax
16085 \global\let\author\relax
16086 \global\let\date\relax
16087 \global\let\and\relax
16088 }
16089 \def\@maketitle{%
16090     \newpage
16091     \null
16092     \vskip 2em%
16093     \if@titlecentered
16094         \begin{center}%
16095             \let \footnote \thanks
16096             \let \LTRfootnote \LTRthanks
16097             \let \RTLfootnote \RTLthanks
16098             {\LARGE \TitleFont \@title \par}%

```



```

16099 \vskip 1.5em%
16100 {\large \TitleFont
16101 \lineskip .5em%
16102 \begin{tabular}[t]{c}%
16103 \@author
16104 \end{tabular}\par}%
16105 \vskip 1em%
16106 {\large \TitleFont \@date}%
16107 \end{center}%
16108 \else
16109 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
16110 {\large \TitleFont \lineskip .5em \tabcolsep\z@
16111 \def\and{%% \begin{tabular} has already started
16112 \end{tabular}\hskip 1em plus .17fil
16113 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
16114 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
16115 \vskip 1em {\large \TitleFont \@date}
16116 \fi
16117 \par
16118 \vskip 1.5em}
16119 \fi
16120 \renewcommand*\@regtocline[3]{%
16121 \ifnum #1>\c@tocdepth
16122 \else
16123 \vskip\z@\@plus.2\p@
16124 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
16125 \if@RTL\righskip\else\leftskip\fi\unitindent
16126 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
16127 \parfillskip\z@
16128 \@tempdima\unitindent
16129 \parindent\z@
16130 \leavevmode
16131 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
16132 \hskip 1em \nobreak{\slshape #3}\par
16133 }%
16134 \fi}
16135 \if@oldtoc
16136 \renewcommand*\l@part[2]{%
16137 \ifnum \c@tocdepth >-2\relax
16138 \addpenalty{-\@highpenalty}%
16139 \addvspace{2.25em \@plus\p@}%
16140 \begingroup
16141 \setlength\@tempdima{3em}%
16142 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
16143 \parfillskip -\@pnumwidth
16144 {\leavevmode
16145 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16146 \nobreak
16147 \global\@nobreaktrue
16148 \everypar{\global\@nobreakfalse\everypar{}}%

```



```

16149 \endgroup
16150 \fi}
16151 \else
16152 \renewcommand*\l@part{%
16153 \ifnum \c@tocdepth >-2\relax
16154 \addpenalty{-\@highpenalty}%
16155 \addvspace{2.25em \@plus \p@}%
16156 \@regtocline{0}%
16157 \fi}
16158 \fi
16159 \if@oldtoc
16160 \renewcommand*\l@chapter[2]{%
16161 \addpenalty{-\@highpenalty}%
16162 \vskip 1.0em \@plus\p@
16163 \setlength\@tempdima{1.5em}%
16164 \begingroup
16165 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16166 \parfillskip -\@pnumwidth
16167 \leavevmode \bfseries
16168 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16169 \hskip -\if@RTL\rightskip\else\leftskip\fi
16170 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16171 \penalty\@highpenalty
16172 \endgroup}
16173 \else
16174 \renewcommand*\l@chapter{\@regtocline{0}}
16175 \fi
16176 \renewcommand*\head@style{%
16177 \interlinepenalty \@M
16178 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16179 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16180 \if@titlepage
16181 \renewenvironment{abstract}{%
16182 \titlepage
16183 \null\vfil
16184 \section*{\SectFont\abstractname}%
16185 \noindent\ignorespaces}
16186 {\par\vfil\null\endtitlepage}
16187 \else
16188 \renewenvironment{abstract}{%
16189 \if@twocolumn
16190 \section*{\abstractname}%
16191 \else
16192 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16193 \section*{\small\SectFont\abstractname}%
16194 \noindent\ignorespaces
16195 \fi}
16196 {\if@twocolumn\else\par\egroup\fi}
16197 \fi
16198 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}

```



```

16199 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16200 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16201 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16202 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16203 \renewcommand*\thefigure{%
16204   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16205 \renewcommand*\thetable{%
16206   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16207 \renewcommand*\theequation{%
16208   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16209 \renewenvironment{thebibliography}[1]
16210   {\chapter*{\bibname}%
16211    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16212    \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
16213    \bidi\@thebibliography@font@hook%
16214    \list{\@biblabel{\@arabic\c@enumiv}}%
16215      {\settowidth\labelwidth{\@biblabel{#1}}%
16216       \leftmargin\labelwidth
16217       \advance\leftmargin\labelsep
16218       \@openbib@code
16219       \usecounter{enumiv}%
16220       \let\p@enumiv\@empty
16221       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16222     \sloppy\clubpenalty4000\widowpenalty4000%
16223     \sfcode`\.\@m}
16224   {\def\@noitemerr
16225     {\@latex@warning{Empty `thebibliography' environment}}%
16226     \endlist}
16227 \renewcommand*\left@footnoterule{%
16228   \kern-3\p@
16229   \kern.5\baselineskip
16230   \hrule\@width\unitindent
16231   \kern.4\baselineskip
16232 }
16233 \renewcommand*\right@footnoterule{%
16234   \kern-3\p@
16235   \kern.5\baselineskip
16236   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16237   \kern.4\baselineskip}
16238 \renewcommand*\head@style{%
16239   \interlinepenalty \@M
16240   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16241   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

102 File refrep-xetex-bidi.def

```

16242 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe®
16243 \if@titlepage
16244   \renewcommand\maketitle{\begin{titlepage}%
16245     \let\footnotesize\small

```



```

16246 \let\right@footnoterule\relax
16247 \let\left@footnoterule\relax
16248 \let\textwidth@footnoterule\relax
16249 \let\footnote\thanks
16250 \let\LTRfootnote\LTRthanks
16251 \let\RTLfootnote\RTLthanks
16252 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16253 \def\@makefnmark%
16254   {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16255 \long\def\@makefntext##1{%
16256   \setpar{\@par
16257     \tempdima = \hsize
16258     \advance\tempdima -1em
16259     \parshape \@ne 1em \tempdima}%
16260   \par\parindent 1em \noindent
16261   \hb@xt@z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16262 \null\vfil
16263 \vskip 60\p@
16264 \begin{center}%
16265   {\LARGE \@title \par}%
16266   \vskip 3em%
16267   {\large
16268     \lineskip .75em%
16269     \begin{tabular}[t]{c}%
16270       \@author
16271     \end{tabular}\par}%
16272   \vskip 1.5em%
16273   {\large \@date \par}%           % Set date in \large size.
16274 \end{center}\par
16275 \@thanks
16276 \vfil\null
16277 \end{titlepage}%
16278 \setcounter{footnote}{0}%
16279 \global\let\thanks\relax
16280 \global\let\LTRthanks\relax
16281 \global\let\RTLthanks\relax
16282 \global\let\maketitle\relax
16283 \global\let\@thanks\@empty
16284 \global\let\@author\@empty
16285 \global\let\@date\@empty
16286 \global\let\@title\@empty
16287 \global\let\title\relax
16288 \global\let\author\relax
16289 \global\let\date\relax
16290 \global\let\and\relax
16291 }
16292 \else
16293 \renewcommand\maketitle{\par
16294   \begingroup
16295     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%

```




```

16296 \def\@makefnmark%
16297     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16298 \long\def\@makefnmark##1{%
16299     \@setpar{\@par
16300         \@tempdima = \hsize
16301         \advance\@tempdima -1em
16302         \parshape \@ne 1em \@tempdima}%
16303     \par\parindent 1em \noindent
16304     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}\##1}
16305 \if@twocolumn
16306     \ifnum \col@number=\@ne
16307         \@maketitle
16308     \else
16309         \twocolumn[\@maketitle]%
16310     \fi
16311 \else
16312     \newpage
16313     \global\@topnum\z@    % Prevents figures from going at top of page.
16314     \@maketitle
16315 \fi
16316 \thispagestyle{empty}\@thanks
16317 \endgroup
16318 \setcounter{footnote}{0}%
16319 \global\let\thanks\relax
16320 \global\let\LTRthanks\relax
16321 \global\let\RTLthanks\relax
16322 \global\let\maketitle\relax
16323 \global\let\@maketitle\relax
16324 \global\let\@thanks\@empty
16325 \global\let\@author\@empty
16326 \global\let\@date\@empty
16327 \global\let\@title\@empty
16328 \global\let\title\relax
16329 \global\let\author\relax
16330 \global\let\date\relax
16331 \global\let\and\relax
16332 }
16333 \def\@maketitle{%
16334     \newpage
16335     \null
16336     \longthickrule\vskip1.5em%
16337     \let \footnote \thanks
16338     \let \LTRfootnote \LTRthanks
16339     \let \RTLfootnote \RTLthanks
16340     {\secshape \parskip\z@ \parindent\z@
16341     \Large\bfseries \@title \par}%
16342     \vskip1.5em\longthickrule\vskip1.5em%
16343     {\normalsize
16344         \lineskip .5em%
16345         \begin{flushright}%

```



```

16346      {\slshape\@author\par}
16347      \vskip 1em%
16348      {\@date}%
16349      \end{flushright}\par}%
16350      \vskip 1.5em}
16351 \fi
16352 \renewcommand*\l@part[2]{%
16353   \ifnum \c@tocdepth >-2\relax
16354     \addpenalty{-\@highpenalty}%
16355     \addvspace{2.25em \@plus\p@}%
16356     \begingroup
16357       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16358       \parfillskip -\@pnumwidth
16359       {\leavevmode
16360         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16361       \nobreak
16362       \global\@nbreaktrue
16363       \everypar{\global\@nbreakfalse\everypar{}}%
16364     \endgroup
16365   \fi}
16366 \renewcommand*\l@chapter[2]{%
16367   \ifnum \c@tocdepth >\m@ne
16368     \addpenalty{-\@highpenalty}%
16369     \vskip 1.0em \@plus\p@
16370     \setlength\@tempdima{1.5em}%
16371     \begingroup
16372       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16373       \parfillskip -\@pnumwidth
16374       \leavevmode \bfseries
16375       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16376       \hskip -\if@RTL\rightskip\else\leftskip\fi
16377       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16378       \penalty\@highpenalty
16379     \endgroup
16380   \fi}
16381 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16382   \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16383   \hyphenpenalty=2000}
16384 \renewcommand\left@footnoterule{%
16385   \kern-3\p@
16386   \hrule\@width.4\columnwidth
16387   \kern 2.6\p@}
16388 \renewcommand\right@footnoterule{%
16389   \kern-3\p@
16390   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16391   \kern2.6\p@}
16392 \renewcommand\theequation
16393 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16394 \renewcommand\thefigure
16395 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}

```



```

16396 \renewcommand\thetable%
16397     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16398 \renewcommand\thesection     {\thechapter\@SepMark\@arabic\c@section}
16399 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
16400 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16401 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16402 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16403 \renewenvironment{thebibliography}[1]
16404     {\chapter*{\bibname
16405         \@mkboth{\bibname}{\bibname}}%
16406         \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16407         \bidi@thebibliography@font@hook%
16408         \list{\@biblabel{\@arabic\c@enumiv}}%
16409             {\settowidth\labelwidth{\@biblabel{#1}}%
16410              \leftmargin\labelwidth
16411              \advance\leftmargin\labelsep
16412              \@openbib@code
16413              \usecounter{enumiv}%
16414              \let\p@enumiv\@empty
16415              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16416              \sloppy
16417              \clubpenalty4000
16418              \@clubpenalty \clubpenalty
16419              \widowpenalty4000%
16420              \sfcode`\.=\@m}
16421     {\def\@noitemerr
16422         {\@latex@warning{Empty `thebibliography' environment}}%
16423     \endlist}

```

103 File report-xetex-bidi.def

```

16424 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report clas
16425 \renewenvironment{theindex}
16426     {\if@twocolumn
16427         \@restonecolfalse
16428         \else
16429             \@restonecoltrue
16430         \fi
16431         \columnseprule \z@
16432         \columnsep 35\p@
16433         \twocolumn[\@makeschapterhead{\indexname}]%
16434         \@mkboth{\MakeUppercase\indexname}%
16435         {\MakeUppercase\indexname}%
16436         \thispagestyle{plain}\parindent\z@
16437         \parskip\z@ \@plus .3\p@\relax
16438         \let\item\@idxitem}
16439     {\if@restonecol\onecolumn\else\clearpage\fi}
16440 \if@titlepage
16441 \renewcommand\maketitle{\begin{titlepage}%
16442 \let\footnotesize\small

```



```

16443 \let\right@footnoterule\relax
16444 \let\left@footnoterule\relax
16445 \let\textwidth@footnoterule\relax
16446 \let \footnote \thanks
16447 \let \LTRfootnote \LTRthanks
16448 \let \RTLfootnote \RTLthanks
16449 \null\vfil
16450 \vskip 60\p@
16451 \begin{center}%
16452   {\LARGE \@title \par}%
16453   \vskip 3em%
16454   {\large
16455     \lineskip .75em%
16456     \begin{tabular}[t]{c}%
16457       \@author
16458     \end{tabular}\par}%
16459     \vskip 1.5em%
16460     {\large \@date \par}%           % Set date in \large size.
16461 \end{center}\par
16462 \@thanks
16463 \vfil\null
16464 \end{titlepage}%
16465 \setcounter{footnote}{0}%
16466 \global\let\thanks\relax
16467 \global\let\LTRthanks\relax
16468 \global\let\RTLthanks\relax
16469 \global\let\maketitle\relax
16470 \global\let\@thanks\@empty
16471 \global\let\@author\@empty
16472 \global\let\@date\@empty
16473 \global\let\@title\@empty
16474 \global\let\title\relax
16475 \global\let\author\relax
16476 \global\let\date\relax
16477 \global\let\and\relax
16478 }
16479 \else
16480 \renewcommand\maketitle{\par
16481   \begingroup
16482     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16483     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16484     \long\def\@makefntext##1{\parindent 1em\noindent
16485       \hb@xt@1.8em{%
16486         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16487     \if@twocolumn
16488       \ifnum \col@number=\@ne
16489         \@maketitle
16490       \else
16491         \twocolumn[\@maketitle]%
16492       \fi

```



```

16493 \else
16494 \newpage
16495 \global\@topnum\z@ % Prevents figures from going at top of page.
16496 \@maketitle
16497 \fi
16498 \thispagestyle{plain}\@thanks
16499 \endgroup
16500 \setcounter{footnote}{0}%
16501 \global\let\thanks\relax
16502 \global\let\LTRthanks\relax
16503 \global\let\RTLthanks\relax
16504 \global\let\maketitle\relax
16505 \global\let\@maketitle\relax
16506 \global\let\@thanks\@empty
16507 \global\let\@author\@empty
16508 \global\let\@date\@empty
16509 \global\let\@title\@empty
16510 \global\let\title\relax
16511 \global\let\author\relax
16512 \global\let\date\relax
16513 \global\let\and\relax
16514 }
16515 \def\@maketitle{%
16516 \newpage
16517 \null
16518 \vskip 2em%
16519 \begin{center}%
16520 \let \footnote \thanks
16521 \let \LTRfootnote \LTRthanks
16522 \let \RTLfootnote \RTLthanks
16523 {\LARGE \@title \par}%
16524 \vskip 1.5em%
16525 {\large
16526 \lineskip .5em%
16527 \begin{tabular}[t]{c}%
16528 \@author
16529 \end{tabular}\par}%
16530 \vskip 1em%
16531 {\large \@date}%
16532 \end{center}%
16533 \par
16534 \vskip 1.5em}
16535 \fi
16536 \renewcommand*{\l@part[2]}{%
16537 \ifnum \c@tocdepth >-2\relax
16538 \addpenalty{-\@highpenalty}%
16539 \addvspace{2.25em \@plus\p@}%
16540 \setlength\@tempdima{3em}%
16541 \begingroup
16542 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

16543 \parfillskip -\@pnumwidth
16544 {\leavevmode
16545 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16546 \nobreak
16547 \global\@nobreaktrue
16548 \everypar{\global\@nobreakfalse\everypar{}}%
16549 \endgroup
16550 \fi}
16551 \renewcommand*\l@chapter[2]{%
16552 \ifnum \c@tocdepth >\m@ne
16553 \addpenalty{-\@highpenalty}%
16554 \vskip 1.0em \@plus\p@
16555 \setlength\@tempdima{1.5em}%
16556 \begingroup
16557 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16558 \parfillskip -\@pnumwidth
16559 \leavevmode \bfseries
16560 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16561 \hskip -\if@RTL\rightskip\else\leftskip\fi
16562 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16563 \penalty\@highpenalty
16564 \endgroup
16565 \fi}
16566 \renewcommand\left@footnoterule{%
16567 \kern-3\p@
16568 \hrule\@width.4\columnwidth
16569 \kern2.6\p@}
16570 \renewcommand\right@footnoterule{%
16571 \kern-3\p@
16572 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16573 \kern2.6\p@}
16574 \renewcommand\theequation
16575 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16576 \renewcommand \thefigure
16577 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16578 \renewcommand \thetable
16579 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16580 \renewcommand \thechapter {\@arabic\c@chapter}
16581 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16582 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16583 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16584 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16585 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16586 \def\@makechapterhead#1{%
16587 \vspace*{50\p@}%
16588 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16589 \ifnum \c@secnumdepth >\m@ne
16590 \huge\bfseries \@chapapp\space \thechapter
16591 \par\nobreak
16592 \vskip 20\p@

```



```

16593 \fi
16594 \interlinepenalty\@M
16595 \Huge \bfseries #1\par\nobreak
16596 \vskip 40\p@
16597 }}
16598 \def\@makeschapterhead#1{%
16599 \vspace*{50\p@}%
16600 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16601 \normalfont
16602 \interlinepenalty\@M
16603 \Huge \bfseries #1\par\nobreak
16604 \vskip 40\p@
16605 }}
16606 \renewenvironment{thebibliography}[1]
16607 {\chapter*{\bibname}%
16608 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16609 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16610 \bidi@thebibliography@font@hook%
16611 \list{\@biblabel{\@arabic\c@enumiv}}%
16612 {\settowidth\labelwidth{\@biblabel{#1}}%
16613 \leftmargin\labelwidth
16614 \advance\leftmargin\labelsep
16615 \@openbib@code
16616 \usecounter{enumiv}%
16617 \let\p@enumiv\@empty
16618 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16619 \sloppy
16620 \clubpenalty4000
16621 \@clubpenalty \clubpenalty
16622 \widowpenalty4000%
16623 \sfcode`.\@m}
16624 {\def\@noitemerr
16625 {\@latex@warning{Empty `thebibliography' environment}}%
16626 \endlist}

```

104 File rotating-xetex-bidi.def

```

16627 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16628 \def\end@rotfloat{%
16629 \end{minipage}\end{lrbox}%
16630 \stepcounter{r@tfl@t}%
16631 \rot@label{RF\ther@tfl@t}%
16632 \rot@pageref{RF\ther@tfl@t}{\R@page}%
16633 \edef\@tempa{Adding sideways \capttype\space on page \R@page\space}
16634 \rot@mess@toks\expandafter{\@tempa}
16635 \wd\rot@float@box\z@
16636 \ht\rot@float@box\z@
16637 \dp\rot@float@box\z@
16638 \vboxL to \textheight{%
16639 \setkeys{Grot}{units=360}%

```



```

16640 \if@rot@twoside
16641 \else
16642   \let\R@@page\rot@LR
16643 \fi
16644 \ifthenelse{\isodd{\R@@page}}{%
16645   \if@rot@twoside
16646     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16647   \fi
16648   \vfill
16649   \@@line{%
16650     \hskip\rotFPtop
16651     \rotatebox{90}{\box\rot@float@box}%
16652     \hskip\rotFPbot
16653   }%
16654 }{%
16655   \if@rot@twoside
16656     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16657   \fi
16658   \@@line{%
16659     \hskip\rotFPbot
16660     \rotatebox{-90}{\box\rot@float@box}%
16661     \hskip\rotFPtop
16662   }%
16663   \vfill
16664 }%
16665 \rot@message{\the\rot@mess@toks}
16666 }%
16667 \end@float
16668 }
16669 \let\endsidewaysfigure\end@rotfloat
16670 \let\endsidewaystable\end@rotfloat
16671 \def\end@rotdblfloat{%
16672   \end{minipage}\end{lrbox}%
16673   \stepcounter{r@tfl@t}%
16674   \rot@label{RF\ther@tfl@t}%
16675   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16676   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16677   \rot@mess@toks\expandafter{\@tempa}
16678   \@tempdima\ht\rot@float@box
16679   \advance\@tempdima by \dp\rot@float@box
16680   \wd\rot@float@box\z@
16681   \ht\rot@float@box\z@
16682   \dp\rot@float@box\z@
16683   \vboxL to \textheight{%
16684     \setkeys{Grot}{units=360}%
16685     \if@rot@twoside
16686     \else
16687       \let\R@@page\rot@LR
16688     \fi
16689     \ifthenelse{\isodd{\R@@page}}{%

```




```

16690     \ifrot@messages
16691     \ifrot@twoside
16692     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16693 \fi
16694     \fi
16695     \vfill
16696     @@line{%
16697         \hskip\rotFPtop
16698         \rotatebox{90}{\box\rot@float@box}%
16699         \hskip\rotFPbot
16700     }%
16701 }{%
16702     \ifrot@messages
16703     \ifrot@twoside
16704     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16705 \fi
16706     \fi%
16707     @@line{%
16708         \hskip\rotFPbot
16709         \rotatebox{-90}{\box\rot@float@box}%
16710         \hskip\rotFPtop
16711     }%
16712     \vfill
16713 }%
16714     \rot@message{\the\rot@mess@toks}%
16715 }%
16716 \end@dblfloat
16717 }
16718 \def\turn#1{%
16719     \Grot@setangle{#1}%
16720     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16721 \def\endturn{%
16722     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16723     \unskip\color@endbox
16724     \Grot@x\z@
16725     \Grot@y\z@
16726     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16727 }
16728 \def\rotate#1{%
16729     \Grot@setangle{#1}%
16730     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16731 \def\endrotate{%
16732     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16733     \unskip\color@endbox
16734     \Grot@x\z@
16735     \Grot@y\z@
16736     \wd0\z@\dp0\z@\ht0\z@
16737     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16738 }
16739 \def\turnbox#1#2{%

```



```

16740 \Grot@setangle{#1}%
16741 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi
16742 \Grot@x\z@\Grot@y\z@
16743 \wd0\z@\dp0\z@\ht0\z@
16744 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16745 }
16746 \def\sideways{%
16747 \Grot@setangle{90}%
16748 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16749 \def\endsideways{%
16750 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16751 \unskip\color@endbox
16752 \Grot@x\z@
16753 \Grot@y\z@
16754 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16755 }

```

105 File scrartcl-xetex-bidi.def

```

16756 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16757 \newcommand{\scr@saved@LTRfootnotetext}{}
16758 \newcommand{\scr@saved@RTLfootnotetext}{}
16759 \let\scr@saved@footnotetext\@footnotetext
16760 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16761 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16762 \renewcommand{\@footnotetext}[1]{%
16763 \scr@saved@footnotetext{#1}%
16764 \csname FN@mfp@prepare\endcsname
16765 }
16766 \renewcommand{\@LTRfootnotetext}[1]{%
16767 \scr@saved@LTRfootnotetext{#1}%
16768 \csname FN@mfp@prepare\endcsname
16769 }
16770 \renewcommand{\@RTLfootnotetext}[1]{%
16771 \scr@saved@RTLfootnotetext{#1}%
16772 \csname FN@mfp@prepare\endcsname
16773 }
16774 \renewcommand\deffootnote[4][1]{%
16775 \long\def\@makefn#1{%
16776 \setlength{\@tempdimc}{#3}%
16777 \def\@tempa{#1}\ifx\@tempa\@empty
16778 \setpar{\@par
16779 \@tempdima = \hsize
16780 \addtolength{\@tempdima}{-#2}%
16781 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16782 \else
16783 \addtolength{\@tempdimc}{#2}%
16784 \addtolength{\@tempdimc}{-#1}%
16785 \setpar{\@par
16786 \@tempdima = \hsize

```



```

16787      \addtolength{\@tempdima}{-#1}%
16788      \@tempdimb = \hsize
16789      \addtolength{\@tempdimb}{-#2}%
16790      \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
16791      }%
16792      \fi
16793      \par
16794      \parindent\@tempdimc\noindent
16795      \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16796      }%
16797      \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16798  }
16799  \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16800  \renewcommand*\left@footnoterule{%
16801    \normalsize\ftn@rule@test@values
16802    \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16803    \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16804    {\usekomafont{footnoterule}{%
16805      \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16806    \kern 2.6\p@}
16807  \renewcommand*\right@footnoterule{%
16808    \normalsize\ftn@rule@test@values
16809    \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16810    \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16811    {\usekomafont{footnoterule}{%
16812      \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16813      \kern 2.6\p@}
16814  \renewcommand*\maketitle[1][1]{%
16815    \if@titlepage
16816      \begin{titlepage}
16817        \setcounter{page}{%
16818          #1%
16819        }%
16820        \let\footnotesize\small
16821        \let\right@footnoterule\relax
16822        \let\left@footnoterule\relax
16823        \let\textwidth@footnoterule\relax
16824        \let\footnote\thanks
16825        \let\LTRfootnote\LTRthanks
16826        \let\RTLfootnote\RTLthanks
16827        \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16828        \let\@oldmakefnmark\@makefnmark
16829        \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16830        \ifx\@extratitle\@empty \else
16831          \noindent\@extratitle\next@tpage\cleardoubleemptypage
16832          \thispagestyle{empty}%
16833        \fi
16834        \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16835        \ifx\@titlehead\@empty \else
16836          \begin{minipage}[t]{\textwidth}%

```



```

16837      \@titlehead
16838      \end{minipage}\par
16839    \fi
16840    \null\vfill
16841    \begin{center}
16842      \ifx\@subject\@empty \else
16843        {\subject@font \@subject \par}%
16844        \vskip 3em
16845      \fi
16846      {\titlefont\huge \@title\par}%
16847      \vskip 1em
16848      {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16849      \vskip 2em
16850      {\Large \lineskip 0.75em
16851        \begin{tabular}[t]{c}
16852          \@author
16853        \end{tabular}\par
16854      }%
16855      \vskip 1.5em
16856      {\Large \@date \par}%
16857      \vskip \z@ \@plus3fill
16858      {\Large \@publishers \par}%
16859      \vskip 3em
16860    \end{center}\par
16861    \@thanks
16862    \vfill\null
16863    \if@twoside\next@tpage
16864      \begin{minipage}[t]{\textwidth}
16865        \@uppertitleback
16866      \end{minipage}\par
16867      \vfill
16868      \begin{minipage}[b]{\textwidth}
16869        \@lowertitleback
16870      \end{minipage}
16871    \fi
16872    \ifx\@dedication\@empty \else
16873      \next@tpage\null\vfill
16874      {\centering \Large \@dedication \par}%
16875      \vskip \z@ \@plus3fill
16876      \if@twoside \next@tpage\cleardoubleemptypage \fi
16877    \fi
16878    \end{titlepage}
16879  \else
16880    \par
16881    \@tempcnta=
16882    #1%
16883    \relax\ifnum\@tempcnta=1\else
16884      \ClassWarning{KOMAClassName}{%
16885        Optional argument of \string\maketitle\space ignored
16886        at\MessageBreak

```



```

16887         notitlepage-mode%
16888     }%
16889 \fi
16890 \beginingroup
16891     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16892     \let\@oldmakefnmark\@makefnmark
16893     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16894     \if@twocolumn
16895         \ifnum \col@number=\@one
16896             \@maketitle
16897         \else
16898             \twocolumn[\@maketitle]%
16899         \fi
16900     \else
16901         \newpage
16902         \global\@topnum\z@
16903         \@maketitle
16904     \fi
16905     \thispagestyle{\titlepagestyle}\@thanks
16906 \endgroup
16907 \fi
16908 \setcounter{footnote}{0}%
16909 \let\thanks\relax
16910 \let\LTRthanks\relax
16911 \let\RTLthanks\relax
16912 \let\maketitle\relax
16913 \let\@maketitle\relax
16914 \global\let\@thanks\@empty
16915 \global\let\@author\@empty
16916 \global\let\@date\@empty
16917 \global\let\@title\@empty
16918 \global\let\@subtitle\@empty
16919 \global\let\@extratitle\@empty
16920 \global\let\@titlehead\@empty
16921 \global\let\@subject\@empty
16922 \global\let\@publishers\@empty
16923 \global\let\@uppertitleback\@empty
16924 \global\let\@lowertitleback\@empty
16925 \global\let\@dedication\@empty
16926 \global\let\author\relax
16927 \global\let\title\relax
16928 \global\let\extratitle\relax
16929 \global\let\titlehead\relax
16930 \global\let\subject\relax
16931 \global\let\publishers\relax
16932 \global\let\uppertitleback\relax
16933 \global\let\lowertitleback\relax
16934 \global\let\dedication\relax
16935 \global\let\date\relax
16936 \global\let\and\relax

```



```

16937 }%
16938 \renewcommand*{\@maketitle}{%
16939   \clearpage
16940   \let\footnote\thanks
16941   \let\LTRfootnote\LTRthanks
16942   \let\RTLfootnote\RTLthanks
16943   \ifx\@extratitle\@empty \else
16944     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16945   \fi
16946   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16947   \ifx\@titlehead\@empty \else
16948     \begin{minipage}[t]{\textwidth}
16949       \@titlehead
16950     \end{minipage}\par
16951   \fi
16952   \null
16953   \vskip 2em%
16954   \begin{center}%
16955     \ifx\@subject\@empty \else
16956       {\subject@font \@subject \par}
16957       \vskip 1.5em
16958     \fi
16959     {\titlefont\huge \@title \par}%
16960     \vskip .5em
16961     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16962     \vskip 1em
16963     {\Large
16964       \lineskip .5em%
16965       \begin{tabular}[t]{c}
16966         \@author
16967       \end{tabular}\par
16968     }%
16969     \vskip 1em%
16970     {\Large \@date \par}%
16971     \vskip \z@ \@plus 1em
16972     {\Large \@publishers \par}
16973     \ifx\@dedication\@empty \else
16974       \vskip 2em
16975       {\Large \@dedication \par}
16976     \fi
16977   \end{center}%
16978   \par
16979   \vskip 2em
16980 }%
16981 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16982 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16983 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16984 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
16985 \renewcommand*{\thesubsubsection}{%
16986   \thesubsection\@SepMark\@arabic\c@subsubsection

```



```

16987 }
16988 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16989 \renewcommand*{\thesubparagraph}{\%
16990 \theparagraph\@SepMark\@arabic\c@subparagraph
16991 }
16992 \renewenvironment{thebibliography}[1]{\%
16993 \if@bib@break@
16994 \bib@beginhook
16995 \else
16996 \bib@heading
16997 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16998 \noindent\bibpreamble\par\nobreak
16999 \fi\fi
17000 \bib@beginhook
17001 \bib@before@hook
17002 \fi
17003 \renewcommand{\BreakBibliography}[1]{\%
17004 \@bib@break
17005 \end{thebibliography}%
17006 \begingroup ##1\endgroup
17007 \begin{thebibliography}{#1}
17008 }%
17009 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17010 \bidi@thebibliography@font@hook%
17011 \list{%
17012 \@biblabel{\@arabic\c@enumiv}%
17013 }{%
17014 \settowidth\labelwidth{\@biblabel{#1}}%
17015 \leftmargin\labelwidth
17016 \advance\leftmargin\labelsep
17017 \@openbib@code
17018 \if@bib@break@
17019 \edef\@tempa{%
17020 \noexpand\usecounter{enumiv}%
17021 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17022 }\@tempa
17023 \no@bib@break
17024 \else
17025 \usecounter{enumiv}%
17026 \fi
17027 \let\p@enumiv\@empty
17028 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17029 }%
17030 \sloppy\clubpenalty4000 \widowpenalty4000
17031 \sfcode`\.=\@m
17032 }{%
17033 \if@bib@break@
17034 \def\@noitemerr{%
17035 \@latex@warning{%
17036 \string\BreakBibliography\space at begin of `thebibliography'

```



```

17037         environment\MessageBreak
17038         or following \string\BreakBibliography}%
17039     }%
17040 \else
17041     \def\@noitemerr{%
17042         \@latex@warning{%
17043             Empty `thebibliography' environment or
17044             \string\BreakBibliography\MessageBreak
17045             before end of `thebibliography' environment}%
17046     }%
17047 \fi
17048 \endlist
17049 \if@bib@break@
17050 \else
17051     \bib@after@hook
17052     \let\bib@before@hook\@empty
17053     \let\bib@after@hook\@empty
17054 \fi
17055 \bib@endhook
17056 }
17057 \renewcommand*\left@footnoterule{%
17058     \kern-3\p@
17059     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17060     \hrule\@width.4\columnwidth
17061     \kern 2.6\p@}
17062 \renewcommand*\right@footnoterule{%
17063     \kern-3\p@
17064     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17065     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17066     \kern2.6\p@}
17067 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17068 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17069 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17070 \renewcommand\marginline[1]{%
17071     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
17072 }
17073 \renewcommand{\@@makecaption}[3]{%
17074     \cap@margin
17075     \ifonelinecaptions
17076         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17077         \let\scr@tmp@footnotetext=\@footnotetext
17078         \let\@footnotetext=\@gobble
17079         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17080         \let\@LTRfootnotetext=\@gobble
17081         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17082         \let\@RTLfootnotetext=\@gobble
17083         \sbox\@tempboxa{%
17084             {\capfont{\strut\ignorespaces
17085                 #1{\caplabelfont{#2\captionformat}}}%
17086                 #3\unskip\strut}}%

```




```

17087 }%
17088 \let\@footnotetext=\scr@tmp@footnotetext
17089 \let\scr@tmp@footnotetext=\undefined
17090 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17091 \let\scr@tmp@LTRfootnotetext=\undefined
17092 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17093 \let\scr@tmp@RTLfootnotetext=\undefined
17094 \setcounter{footnote}{\@tempcntb}%
17095 \setcounter{mpfootnote}{\@tempcnta}%
17096 \else
17097 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17098 \fi
17099 \begingroup%
17100 \setlength{\@tempdima}{\cap@width}%
17101 \ifdim \wd\@tempboxa >\@tempdima
17102 \hb@xt@\hsize{%
17103 \setbox\@tempboxa\vbox{\hsize=\cap@width
17104 \ifdofullc@p
17105 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17106 #1{\caplabelfont{#2\captionformat}}}}}%
17107 {#3\unskip\strut\par}}}%
17108 \else%
17109 \ifdim\cap@indent<\z@
17110 {\capfont{\strut\ignorespaces
17111 #1{\caplabelfont{#2\captionformat\par}}}%
17112 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17113 \else%
17114 \if@capbreak
17115 {\capfont{\strut\ignorespaces
17116 #1{\caplabelfont{#2\captionformat\par}}}%
17117 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17118 \else
17119 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
17120 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17121 {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
17122 \fi
17123 \fi
17124 \fi
17125 }%
17126 \setlength{\@tempdima}{\ht\@tempboxa}%
17127 \addtolength{\@tempdima}{\dp\@tempboxa}%
17128 \addtolength{\@tempdima}{-\ht\strutbox}%
17129 \ht\@tempboxa\ht\strutbox
17130 \dp\@tempboxa\@tempdima
17131 \strut\cap@left
17132 \box\@tempboxa
17133 \cap@right\strut
17134 }%
17135 \else
17136 \global \@minipagefalse

```



```

17137 \sbox\@tempboxa{%
17138   {\capfont{\scr@smashdp{\strut\ignorespaces
17139     #1{\caplabelfont{#2\captionformat}}}}}%
17140   #3}}%
17141 }%
17142 {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\c
17143 \fi
17144 \endgroup
17145 }
17146 \renewcommand{\@makecaption}[2]{%
17147   \if@captionabove
17148     \vskip\belowcaptionskip
17149   \else
17150     \vskip\abovecaptionskip
17151   \fi
17152   \@@makecaption\@firstofone{#1}{#2}%
17153   \if@captionabove
17154     \vskip\abovecaptionskip
17155   \else
17156     \vskip\belowcaptionskip
17157   \fi
17158 }
17159 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17160   \@ifpackageloaded{caption2}{\@komalongtablefalse
17161     \scr@caption@before@longtable@warning{caption2}%
17162   }{}%
17163   \if@komalongtable
17164     \renewcommand{\LT@makecaption}[3]{%
17165       \noalign{%
17166         \if@captionabove
17167           \vskip\belowcaptionskip
17168         \else
17169           \vskip\abovecaptionskip
17170         \fi
17171       }%
17172       \LT@mcol\LT@cols c{%
17173         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17174           \@makecaption{#1}{#2}{#3}%
17175         \endgraf
17176         \if@captionabove
17177           \vskip\abovecaptionskip
17178         \else
17179           \vskip\belowcaptionskip
17180         \fi
17181       }%
17182       \hss
17183     }%
17184   }%
17185 }%
17186 \renewcommand*{\scr@LT@array}{}%

```



```

17187 \let\scr@LT@array=\LT@array
17188 \renewcommand*{\LT@array}{%
17189   \let\scr@caption=\LT@caption
17190   \def\captionabove{\noalign{\global\@captionabovetrue}%
17191     \scr@caption}%
17192   \def\captionbelow{\noalign{\global\@captionabovefalse}%
17193     \scr@caption}%
17194   \if@tablecaptionabove
17195     \let\LT@caption=\captionabove
17196   \else
17197     \let\LT@caption=\captionbelow
17198   \fi
17199   \scr@LT@array
17200 }%
17201 \ClassInfo{\KOMAClassName}{%
17202   longtable captions redefined%
17203 }%
17204 \fi
17205 }
17206
17207 \CloneTOCEntryStyle{tocline}{part}
17208 \TOCEntryStyleStartInitCode{part}{%
17209   \expandafter\renewcommand%
17210   \csname scr@tso@#1@linefill\endcsname{\hfill}%
17211   \expandafter\renewcommand%
17212   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17213   \expandafter\renewcommand%
17214   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17215     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17216   \expandafter\renewcommand\expandafter*%
17217   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17218 }
17219
17220 \CloneTOCEntryStyle{tocline}{section}
17221 \TOCEntryStyleStartInitCode{section}{%
17222   \expandafter\renewcommand%
17223   \csname scr@tso@#1@linefill\endcsname{%
17224     \if@sectionentrywithdots
17225       \TOCLineLeaderFill\relax
17226     \else
17227       \hfill
17228     \fi
17229   }%
17230   % F^^fcr die Eintr^^e4ge die Schrift von Element sectionentry verwenden.
17231   \expandafter\renewcommand%
17232   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
17233   \expandafter\renewcommand%
17234   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
17235   \expandafter\renewcommand\expandafter*%
17236   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%

```



```

17237 }
17238
17239 \CloneTOCEntryStyle{tocline}{subsection}
17240 \TOCEntryStyleStartInitCode{subsection}{%
17241   \expandafter\renewcommand%
17242   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17243 }
17244
17245 \CloneTOCEntryStyle{subsection}{default}
17246
17247 \DeclareSectionCommand[%
17248   style=part,%
17249   level=\z@,%
17250   tocstyle=part,%
17251   toplevel=\m@ne,%
17252   tocindent=\z@,%
17253   tocnumwidth=2em%
17254 ]{part}
17255 \DeclareSectionCommand[%
17256   style=section,%
17257   level=1,%
17258   indent=\z@,%
17259   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17260   afterskip=2.3ex \@plus .2ex,%
17261   tocstyle=section,%
17262   tocindent=0pt,%
17263   tocnumwidth=1.5em%
17264 ]{section}
17265 \DeclareSectionCommand[%
17266   style=section,%
17267   level=2,%
17268   indent=\z@,%
17269   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17270   afterskip=1.5ex \@plus .2ex,%
17271   tocstyle=subsection,%
17272   tocindent=1.5em,%
17273   tocnumwidth=2.3em%
17274 ]{subsection}
17275 \DeclareSectionCommand[%
17276   style=section,%
17277   level=3,%
17278   indent=\z@,%
17279   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17280   afterskip=1.5ex \@plus .2ex,%
17281   tocstyle=subsection,%
17282   tocindent=3.8em,%
17283   tocnumwidth=3.2em%
17284 ]{subsubsection}
17285 \DeclareSectionCommand[%
17286   style=section,%

```



```

17287 level=4,%
17288 indent=\z@,%
17289 beforekip=3.25ex \@plus1ex \@minus.2ex,%
17290 afterskip=-1em,%
17291 tocstyle=subsection,%
17292 tocindent=7.0em,%
17293 tocnumwidth=4.1em%
17294]{paragraph}
17295\DeclareSectionCommand[%
17296 style=section,%
17297 level=5,%
17298 indent=\scr@parindent,%
17299 beforekip=3.25ex \@plus1ex \@minus.2ex,%
17300 afterskip=-1em,%
17301 tocstyle=subsection,%
17302 tocindent=10em,%
17303 tocnumwidth=5em%
17304]{subparagraph}

```

106 File scrbook-xetex-bidi.def

```

17305\ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for ]
17306\newcommand{\scr@saved@LTRfootnotetext}{}
17307\newcommand{\scr@saved@RTLfootnotetext}{}
17308\let\scr@saved@footnotetext\@footnotetext
17309\let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17310\let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17311\renewcommand{\@footnotetext}[1]{%
17312 \scr@saved@footnotetext{#1}%
17313 \csname FN@mfp@prepare\endcsname
17314 }
17315\renewcommand{\@LTRfootnotetext}[1]{%
17316 \scr@saved@LTRfootnotetext{#1}%
17317 \csname FN@mfp@prepare\endcsname
17318 }
17319\renewcommand{\@RTLfootnotetext}[1]{%
17320 \scr@saved@RTLfootnotetext{#1}%
17321 \csname FN@mfp@prepare\endcsname
17322 }
17323\renewcommand\deffootnote[4][1]{%
17324 \long\def\@makefnintext##1{%
17325 \setlength{\@tempdimc}{#3}%
17326 \def\@tempa{#1}\ifx\@tempa\@empty
17327 \setpar{\@par
17328 \@tempdima = \hsize
17329 \addtolength{\@tempdima}{-#2}%
17330 \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17331 \else
17332 \addtolength{\@tempdimc}{#2}%
17333 \addtolength{\@tempdimc}{-#1}%

```



```

17334 \setpar{\@par
17335 \@tempdima = \hsize
17336 \addtolength{\@tempdima}{-#1}%
17337 \@tempdimb = \hsize
17338 \addtolength{\@tempdimb}{-#2}%
17339 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17340 }%
17341 \fi
17342 \par
17343 \parindent\@tempdimc\noindent
17344 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17345 }%
17346 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17347 }
17348 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17349 \renewcommand*\left@footnoterule{%
17350 \normalsize\ftn@rule@test@values
17351 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17352 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17353 {\usekomafont{footnoterule}{%
17354 \hrule \height\ftn@rule@height \@width\ftn@rule@width}}%
17355 \kern 2.6\p@}
17356 \renewcommand*\right@footnoterule{%
17357 \normalsize\ftn@rule@test@values
17358 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17359 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17360 {\usekomafont{footnoterule}{%
17361 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17362 \kern 2.6\p@}
17363 \renewcommand*\maketitle[1][1]{%
17364 \if@titlepage
17365 \begin{titlepage}
17366 \setcounter{page}{%
17367 #1%
17368 }%
17369 \let\footnotesize\small
17370 \let\right@footnoterule\relax
17371 \let\left@footnoterule\relax
17372 \let\textwidth\footnoterule\relax
17373 \let\footnote\thanks
17374 \let\LTRfootnote\LTRthanks
17375 \let\RTLfootnote\RTLthanks
17376 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17377 \let\@oldmakefnmark\@makefnmark
17378 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17379 \ifx\@extratitle\empty \else
17380 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17381 \thispagestyle{empty}%
17382 \fi
17383 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative

```



```

17384 \ifx\@titlehead\@empty \else
17385 \begin{minipage}[t]{\textwidth}%
17386 \@titlehead
17387 \end{minipage}\par
17388 \fi
17389 \null\vfill
17390 \begin{center}
17391 \ifx\@subject\@empty \else
17392 {\subject@font \@subject \par}%
17393 \vskip 3em
17394 \fi
17395 {\titlefont\huge \@title\par}%
17396 \vskip 1em
17397 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17398 \vskip 2em
17399 {\Large \lineskip 0.75em
17400 \begin{tabular}[t]{c}
17401 \@author
17402 \end{tabular}\par
17403 }%
17404 \vskip 1.5em
17405 {\Large \@date \par}%
17406 \vskip \z@ \@plus3fill
17407 {\Large \@publishers \par}%
17408 \vskip 3em
17409 \end{center}\par
17410 \@thanks
17411 \vfill\null
17412 \if@twoside\next@tpage
17413 \begin{minipage}[t]{\textwidth}
17414 \@uppertitleback
17415 \end{minipage}\par
17416 \vfill
17417 \begin{minipage}[b]{\textwidth}
17418 \@lowertitleback
17419 \end{minipage}
17420 \fi
17421 \ifx\@dedication\@empty \else
17422 \next@tpage\null\vfill
17423 {\centering \Large \@dedication \par}%
17424 \vskip \z@ \@plus3fill
17425 \if@twoside \next@tpage\cleardoubleemptypage \fi
17426 \fi
17427 \end{titlepage}
17428 \else
17429 \par
17430 \@tempcnta=%
17431 #1%
17432 \relax\ifnum\@tempcnta=1\else
17433 \ClassWarning{KOMAClassName}{%

```



```

17434     Optional argument of \string\maketitle\space ignored
17435     at\MessageBreak
17436     notitlepage-mode%
17437 }%
17438 \fi
17439 \begingroup
17440   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17441   \let\@oldmakefnmark\@makefnmark
17442   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17443   \if@twocolumn
17444     \ifnum \col@number=\@ne
17445       \@maketitle
17446     \else
17447       \twocolumn[\@maketitle]%
17448     \fi
17449   \else
17450     \newpage
17451     \global\@topnum\z@
17452     \@maketitle
17453   \fi
17454   \thispagestyle{\titlepagestyle}\@thanks
17455 \endgroup
17456 \fi
17457 \setcounter{footnote}{0}%
17458 \let\thanks\relax
17459 \let\LTRthanks\relax
17460 \let\RTLthanks\relax
17461 \let\maketitle\relax
17462 \let\@maketitle\relax
17463 \global\let\@thanks\@empty
17464 \global\let\@author\@empty
17465 \global\let\@date\@empty
17466 \global\let\@title\@empty
17467 \global\let\@subtitle\@empty
17468 \global\let\@extratitle\@empty
17469 \global\let\@titlehead\@empty
17470 \global\let\@subject\@empty
17471 \global\let\@publishers\@empty
17472 \global\let\@uppertitleback\@empty
17473 \global\let\@lowertitleback\@empty
17474 \global\let\@dedication\@empty
17475 \global\let\author\relax
17476 \global\let\title\relax
17477 \global\let\extratitle\relax
17478 \global\let\titlehead\relax
17479 \global\let\subject\relax
17480 \global\let\publishers\relax
17481 \global\let\uppertitleback\relax
17482 \global\let\lowertitleback\relax
17483 \global\let\dedication\relax

```




```

17484 \global\let\date\relax
17485 \global\let\and\relax
17486 }%
17487 \renewcommand*{\@maketitle}{%
17488 \clearpage
17489 \let\footnote\thanks
17490 \let\LTRfootnote\LTRthanks
17491 \let\RTLfootnote\RTLthanks
17492 \ifx\@extratitle\@empty \else
17493 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17494 \fi
17495 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17496 \ifx\@titlehead\@empty \else
17497 \begin{minipage}[t]{\textwidth}
17498 \@titlehead
17499 \end{minipage}\par
17500 \fi
17501 \null
17502 \vskip 2em%
17503 \begin{center}%
17504 \ifx\@subject\@empty \else
17505 {\subject@font \@subject \par}
17506 \vskip 1.5em
17507 \fi
17508 {\titlefont\huge \@title \par}%
17509 \vskip .5em
17510 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17511 \vskip 1em
17512 {\Large
17513 \lineskip .5em%
17514 \begin{tabular}[t]{c}
17515 \@author
17516 \end{tabular}\par
17517 }%
17518 \vskip 1em%
17519 {\Large \@date \par}%
17520 \vskip \z@\@plus 1em
17521 {\Large \@publishers \par}
17522 \ifx\@dedication\@empty \else
17523 \vskip 2em
17524 {\Large \@dedication \par}
17525 \fi
17526 \end{center}%
17527 \par
17528 \vskip 2em
17529 }%
17530 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17531 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17532 \renewcommand*\thesection{%
17533 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax

```



```

17534 \if@mainmatter\thechapter\@SepMark\fi
17535 \else
17536 \thechapter\@SepMark%
17537 \fi
17538 \@arabic\c@section
17539 }
17540 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17541 \renewcommand*{\thesubsubsection}{%
17542 \thesubsection\@SepMark\@arabic\c@subsubsection
17543 }
17544 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17545 \renewcommand*{\thesubparagraph}{%
17546 \theparagraph\@SepMark\@arabic\c@subparagraph
17547 }
17548 \renewcommand*\thefigure{%
17549 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17550 \if@mainmatter\thechapter\@SepMark\fi
17551 \else
17552 \thechapter\@SepMark%
17553 \fi
17554 \@arabic\c@figure
17555 }
17556 \renewcommand*\thetable{%
17557 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17558 \if@mainmatter\thechapter\@SepMark\fi
17559 \else
17560 \thechapter\@SepMark%
17561 \fi
17562 \@arabic\c@table
17563 }
17564 \renewcommand*\theequation{%
17565 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17566 \if@mainmatter\thechapter\@SepMark\fi
17567 \else
17568 \thechapter\@SepMark%
17569 \fi
17570 \@arabic\c@equation
17571 }
17572 \renewenvironment{thebibliography}[1]{%
17573 \if@bib@break@
17574 \bib@beginhook
17575 \else
17576 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17577 \setchapterpreamble{\bibpreamble}%
17578 \fi\fi
17579 \bib@heading
17580 \bib@beginhook
17581 \bib@before@hook
17582 \fi
17583 \renewcommand{\BreakBibliography}[1]{%

```



```

17584 \@bib@break
17585 \end{thebibliography}%
17586 \begingroup ##1\endgroup
17587 \begin{thebibliography}{#1}
17588 }%
17589 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17590 \bidi@thebibliography@font@hook%
17591 \list{%
17592   \@biblabel{\@arabic\c@enumiv}%
17593 }{%
17594   \settowidth\labelwidth{\@biblabel{#1}}%
17595   \leftmargin\labelwidth
17596   \advance\leftmargin\labelsep
17597   \@openbib@code
17598   \if@bib@break@
17599     \edef\@tempa{%
17600       \noexpand\usecounter{enumiv}%
17601       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17602     }\@tempa
17603     \no@bib@break
17604   \else
17605     \usecounter{enumiv}%
17606   \fi
17607   \let\p@enumiv\@empty
17608   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17609 }%
17610 \sloppy\clubpenalty4000 \widowpenalty4000
17611 \sfcode`\.=\@m
17612 }{%
17613 \if@bib@break@
17614   \def\@noitemerr{%
17615     \@latex@warning{%
17616       \string\BreakBibliography\space at begin of `thebibliography'
17617       environment\MessageBreak
17618       or following \string\BreakBibliography}%
17619   }%
17620 \else
17621   \def\@noitemerr{%
17622     \@latex@warning{%
17623       Empty `thebibliography' environment or
17624       \string\BreakBibliography\MessageBreak
17625       before end of `thebibliography' environment}%
17626   }%
17627 \fi
17628 \endlist
17629 \if@bib@break@
17630 \else
17631   \bib@after@hook
17632   \let\bib@before@hook\@empty
17633   \let\bib@after@hook\@empty

```



```

17634 \fi
17635 \bib@endhook
17636 }
17637 \renewcommand*\left@footnoterule{%
17638 \kern-3\p@
17639 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17640 \hrule\@width.4\columnwidth
17641 \kern 2.6\p@}
17642 \renewcommand*\right@footnoterule{%
17643 \kern-3\p@
17644 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17645 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17646 \kern2.6\p@}
17647 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17648 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17649 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17650 \renewcommand\marginline[1]{%
17651 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17652 }
17653 \renewcommand{\@@makecaption}[3]{%
17654 \cap@margin
17655 \ifonelinecaptions
17656 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17657 \let\scr@tmp@footnotetext=\@footnotetext
17658 \let\@footnotetext=\@gobble
17659 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17660 \let\@LTRfootnotetext=\@gobble
17661 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17662 \let\@RTLfootnotetext=\@gobble
17663 \sbox\@tempboxa{%
17664 {\capfont{\strut\ignorespaces
17665 #1{\@caplabelfont{#2\captionformat}}}%
17666 #3\unskip\strut}}%
17667 }%
17668 \let\@footnotetext=\scr@tmp@footnotetext
17669 \let\scr@tmp@footnotetext=\undefined
17670 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17671 \let\scr@tmp@LTRfootnotetext=\undefined
17672 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17673 \let\scr@tmp@RTLfootnotetext=\undefined
17674 \setcounter{footnote}{\@tempcntb}%
17675 \setcounter{mpfootnote}{\@tempcnta}%
17676 \else
17677 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17678 \fi
17679 \begingroup%
17680 \setlength{\@tempdima}{\cap@width}%
17681 \ifdim \wd\@tempboxa >\@tempdima
17682 \hb@xt\@tempdima{%
17683 \setbox\@tempboxa\vbox{\hsize=\cap@width

```



```

17684 \ifdofullc@p
17685 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17686 #1{\caplabelfont{#2\captionformat}}}}}%
17687 {#3\unskip\strut\par}}}%
17688 \else%
17689 \ifdim\cap@indent<\z@
17690 {\capfont{\strut\ignorespaces
17691 #1{\caplabelfont{#2\captionformat\par}}}%
17692 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}}%
17693 \else%
17694 \if@capbreak
17695 {\capfont{\strut\ignorespaces
17696 #1{\caplabelfont{#2\captionformat\par}}}%
17697 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17698 \else
17699 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17700 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17701 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17702 \fi
17703 \fi
17704 \fi
17705 }%
17706 \setlength{\@tempdima}{\ht\@tempboxa}%
17707 \addtolength{\@tempdima}{\dp\@tempboxa}%
17708 \addtolength{\@tempdima}{-\ht\strutbox}%
17709 \ht\@tempboxa\ht\strutbox
17710 \dp\@tempboxa\@tempdima
17711 \strut\cap@left
17712 \box\@tempboxa
17713 \cap@right\strut
17714 }%
17715 \else
17716 \global \@minipagefalse
17717 \sbox\@tempboxa{%
17718 {\capfont{\scr@smashdp{\strut\ignorespaces
17719 #1{\caplabelfont{#2\captionformat}}}}}%
17720 #3}%
17721 }%
17722 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}}%
17723 \fi
17724 \endgroup
17725 }
17726 \renewcommand{\@makecaption}[2]{%
17727 \if@captionabove
17728 \vskip\belowcaptionskip
17729 \else
17730 \vskip\abovecaptionskip
17731 \fi
17732 \@makecaption\@firstofone{#1}{#2}%
17733 \if@captionabove

```



```

17734 \vskip\abovecaptionskip
17735 \else
17736 \vskip\belowcaptionskip
17737 \fi
17738 }
17739 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17740 \@ifpackageloaded{caption2}{\@komalongtablefalse
17741 \scr@caption@before@longtable@warning{caption2}%
17742 }{}%
17743 \if@komalongtable
17744 \renewcommand{\LT@makecaption}[3]{%
17745 \noalign{%
17746 \if@captionabove
17747 \vskip\belowcaptionskip
17748 \else
17749 \vskip\abovecaptionskip
17750 \fi
17751 }%
17752 \LT@mcol\LT@cols c{%
17753 \hbox to\z@{\hss\parbox[t]{\linewidth{%
17754 \@makecaption{#1}{#2}{#3}%
17755 \endgraf
17756 \if@captionabove
17757 \vskip\abovecaptionskip
17758 \else
17759 \vskip\belowcaptionskip
17760 \fi
17761 }%
17762 \hss
17763 }%
17764 }%
17765 }%
17766 \renewcommand*{\scr@LT@array}{}%
17767 \let\scr@LT@array=\LT@array
17768 \renewcommand*{\LT@array}{%
17769 \let\scr@caption=\LT@caption
17770 \def\captionabove{\noalign{\global\@captionabovetrue}%
17771 \scr@caption}%
17772 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17773 \scr@caption}%
17774 \if@tablecaptionabove
17775 \let\LT@caption=\captionabove
17776 \else
17777 \let\LT@caption=\captionbelow
17778 \fi
17779 \scr@LT@array
17780 }%
17781 \ClassInfo{\KOMAClassName}{%
17782 longtable captions redefined%
17783 }%

```



```

17784 \fi
17785 }
17786
17787 \CloneTOCEntryStyle{tocline}{part}
17788 \TOCEntryStyleStartInitCode{part}{%
17789 \expandafter\renewcommand%
17790 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17791 \expandafter\renewcommand%
17792 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17793 \expandafter\renewcommand%
17794 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17795 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17796 \expandafter\renewcommand\expandafter*%
17797 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17798 }
17799
17800 \CloneTOCEntryStyle{tocline}{chapter}
17801 \TOCEntryStyleStartInitCode{chapter}{%
17802 \expandafter\renewcommand%
17803 \csname scr@tso@#1@linefill\endcsname{%
17804 \if@chapterentrywithdots
17805 \TOCLineLeaderFill\relax
17806 \else
17807 \hfill
17808 \fi
17809 }%
17810 \expandafter\renewcommand%
17811 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17812 \expandafter\renewcommand%
17813 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17814 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17815 \expandafter\renewcommand\expandafter*%
17816 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17817 }
17818
17819 \CloneTOCEntryStyle{tocline}{section}
17820 \TOCEntryStyleStartInitCode{section}{%
17821 \expandafter\renewcommand%
17822 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17823 }
17824
17825 \CloneTOCEntryStyle{section}{default}
17826
17827 \DeclareSectionCommand[%
17828 style=part,%
17829 level=\m@ne,%
17830 pagestyle=plain,%
17831 tocstyle=part,%
17832 toplevel=\m@ne,%
17833 tocindent=\z@,%

```



```

17834   tocnumwidth=2em%
17835 ]{part}
17836 \DeclareSectionCommand[%
17837   style=chapter,%
17838   level=\z@,%
17839   pagestyle=plain,%
17840   tocstyle=chapter,%
17841   tocindent=\z@,%
17842   tocnumwidth=1.5em%
17843 ]{chapter}
17844 \DeclareSectionCommand[%
17845   style=section,%
17846   level=1,%
17847   indent=\z@,%
17848   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17849   afterskip=2.3ex \@plus .2ex,%
17850   tocstyle=section,%
17851   tocindent=1.5em,%
17852   tocnumwidth=2.3em%
17853 ]{section}
17854 \DeclareSectionCommand[%
17855   style=section,%
17856   level=2,%
17857   indent=\z@,%
17858   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17859   afterskip=1.5ex \@plus .2ex,%
17860   tocstyle=section,%
17861   tocindent=3.8em,%
17862   tocnumwidth=3.2em%
17863 ]{subsection}
17864 \DeclareSectionCommand[%
17865   style=section,%
17866   level=3,%
17867   indent=\z@,%
17868   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17869   afterskip=1.5ex \@plus .2ex,%
17870   tocstyle=section,%
17871   tocindent=7.0em,%
17872   tocnumwidth=4.1em%
17873 ]{subsubsection}
17874 \DeclareSectionCommand[%
17875   style=section,%
17876   level=4,%
17877   indent=\z@,%
17878   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17879   afterskip=-1em,%
17880   tocstyle=section,%
17881   tocindent=10em,%
17882   tocnumwidth=5em%
17883 ]{paragraph}

```




```

17884 \DeclareSectionCommand[%
17885   style=section,%
17886   level=5,%
17887   indent=\scr@parindent,%
17888   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17889   afterskip=-1em,%
17890   tocstyle=section,%
17891   tocindent=12em,%
17892   tocnumwidth=6em%
17893 ]{subparagraph}
17894
17895

```

107 File scrlettr-xetex-bidi.def

```

17896 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17897 \renewcommand\deffootnote[4][]{%
17898   \long\def\@makefnmark##1{%
17899     \edef\@tempa{##1}\ifx\@tempa\@empty
17900       \@setpar{\@par
17901         \@tempdima = \hsize
17902         \addtolength{\@tempdima}{-#2}
17903         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17904       \else
17905         \@setpar{\@par
17906           \@tempdima = \hsize
17907           \addtolength{\@tempdima}{-#1}
17908           \@tempdimb = \hsize
17909           \addtolength{\@tempdimb}{-#2}
17910           \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17911         \fi
17912         \par
17913         \parindent #3\noindent
17914         \hbox to \z@{\hss\@makefnmark}##1}
17915       \def\@makefnmark{\hbox{##4}}
17916     }
17917 \deffootnote[1em]{1.5em}{1em}
17918   {\textsuperscript{\thefootnotemark}}
17919 \def\leftfootnoterule{\kern-1\p@
17920   \hrule width 0.4\columnwidth
17921   \kern .6\p@}
17922 \def\rightfootnoterule{%
17923   \kern-1\p@
17924   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17925   \kern .6\p@}
17926 \def\@datefield{\@reffalse
17927   \ifx\varyourref\@empty \else \@reftrue \fi
17928   \ifx\varyourmail\@empty \else \@reftrue \fi
17929   \ifx\varmyref\@empty \else \@reftrue \fi
17930   \ifx\varcustomer\@empty \else \@reftrue \fi

```



```

17931 \ifx\varinvoice\@empty \else \@reftrue \fi
17932 \ifx\varrefitemi\@empty \else \@reftrue \fi
17933 \ifx\varrefitemii\@empty \else \@reftrue \fi
17934 \ifx\varrefitemiii\@empty \else \@reftrue \fi
17935 \vskip -\parskip
17936 \vskip \refvskip
17937 \if@ref
17938 \ifx\varyourref\@empty \else
17939 \settowidth{\sc@temp}{\varyourref}
17940 \setbox0\hbox{\scriptsize \sf \yourrefname}
17941 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17942 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17943 \fi
17944 \ifx\varyourmail\@empty \else
17945 \settowidth{\sc@temp}{\varyourmail}
17946 \setbox0\hbox{\scriptsize \sf \yourmailname}
17947 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17948 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17949 \fi
17950 \ifx\varmyref\@empty \else
17951 \settowidth{\sc@temp}{\varmyref}
17952 \setbox0\hbox{\scriptsize \sf \myrefname}
17953 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17954 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17955 \fi
17956 \ifx\varcustomer\@empty \else
17957 \settowidth{\sc@temp}{\varcustomer}
17958 \setbox0\hbox{\scriptsize \sf \customername}
17959 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17960 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17961 \fi
17962 \ifx\varinvoice\@empty \else
17963 \settowidth{\sc@temp}{\varinvoice}
17964 \setbox0\hbox{\scriptsize \sf \invoicename}
17965 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17966 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
17967 \fi
17968 \ifx\varrefitemi\@empty \else
17969 \settowidth{\sc@temp}{\varrefitemi}
17970 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17971 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17972 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
17973 \fi
17974 \ifx\varrefitemii\@empty \else
17975 \settowidth{\sc@temp}{\varrefitemii}
17976 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17977 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17978 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
17979 \fi
17980 \ifx\varrefitemiii\@empty \else

```



```

17981 \settowidth{\sc@temp}{\varrefitemiii}
17982 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17983 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17984 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
17985 \fi
17986 \ifx\@date\@empty \else
17987 \settowidth{\sc@temp}{\@date}
17988 \setbox0\hbox{\scriptsize \sf \datename}
17989 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17990 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
17991 \fi
17992 \par
17993 \vspace{2.5\baselineskip}
17994 \else
17995 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17996 \vspace{1.5\baselineskip}
17997 \fi}
17998 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17999 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
18000 -\sigindent \hspace{\sigindent}}%
18001 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\\[\presig@sk
18002 \fromsig\strut}\par
18003 \vspace{1.5\baselineskip}}

```

108 File scrreprt-xetex-bidi.def

```

18004 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
18005 \newcommand{\scr@saved@LTRfootnotetext}{}
18006 \newcommand{\scr@saved@RTLfootnotetext}{}
18007 \let\scr@saved@footnotetext\@footnotetext
18008 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18009 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18010 \renewcommand{\@footnotetext}[1]{%
18011 \scr@saved@footnotetext{#1}%
18012 \csname FN@mf@prepare\endcsname
18013 }
18014 \renewcommand{\@LTRfootnotetext}[1]{%
18015 \scr@saved@LTRfootnotetext{#1}%
18016 \csname FN@mf@prepare\endcsname
18017 }
18018 \renewcommand{\@RTLfootnotetext}[1]{%
18019 \scr@saved@RTLfootnotetext{#1}%
18020 \csname FN@mf@prepare\endcsname
18021 }
18022 \renewcommand\deffootnote[4][1]{%
18023 \long\def\@makefntext##1{%
18024 \setlength{\@tempdimc}{#3}%
18025 \def\@tempa{#1}\ifx\@tempa\@empty
18026 \setpar{\@par
18027 \@tempdima = \hspace

```



```

18028      \addtolength{\@tempdima}{-#2}%
18029      \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18030    \else
18031      \addtolength{\@tempdimc}{#2}%
18032      \addtolength{\@tempdimc}{-#1}%
18033      \@setpar{\@par
18034        \@tempdima = \hsize
18035        \addtolength{\@tempdima}{-#1}%
18036        \@tempdimb = \hsize
18037        \addtolength{\@tempdimb}{-#2}%
18038        \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
18039      }%
18040    \fi
18041    \par
18042    \parindent\@tempdimc\noindent
18043    \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18044  }%
18045  \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18046 }
18047 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18048 \renewcommand*\left@footnoterule{%
18049   \normalsize\ftn@rule@test@values
18050   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18051   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18052   {\usekomafont{footnoterule}{%
18053     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18054   \kern 2.6\p@}
18055 \renewcommand*\right@footnoterule{%
18056   \normalsize\ftn@rule@test@values
18057   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18058   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18059   {\usekomafont{footnoterule}{%
18060     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
18061     \kern 2.6\p@}
18062   \renewcommand*\maketitle[1][1]{%
18063     \if@titlepage
18064       \begin{titlepage}
18065         \setcounter{page}{%
18066           #1%
18067         }%
18068         \let\footnotesize\small
18069         \let\right@footnoterule\relax
18070         \let\left@footnoterule\relax
18071         \let\textwidth\footnoterule\relax
18072         \let\footnote\thanks
18073         \let\LTRfootnote\LTRthanks
18074         \let\RTLfootnote\RTLthanks
18075         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18076         \let\@oldmakefnmark\@makefnmark
18077         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%

```



```

18078 \ifx\@extratitle\@empty \else
18079 \noindent\@extratitle\next@tpage\cleardoubleemptypage
18080 \thispagestyle{empty}%
18081 \fi
18082 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18083 \ifx\@titlehead\@empty \else
18084 \begin{minipage}[t]{\textwidth}%
18085 \@titlehead
18086 \end{minipage}\par
18087 \fi
18088 \null\vfill
18089 \begin{center}
18090 \ifx\@subject\@empty \else
18091 {\subject@font \@subject \par}%
18092 \vskip 3em
18093 \fi
18094 {\titlefont\huge \@title\par}%
18095 \vskip 1em
18096 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18097 \vskip 2em
18098 {\Large \lineskip 0.75em
18099 \begin{tabular}[t]{c}
18100 \@author
18101 \end{tabular}\par
18102 }%
18103 \vskip 1.5em
18104 {\Large \@date \par}%
18105 \vskip \z@ \@plus3fill
18106 {\Large \@publishers \par}%
18107 \vskip 3em
18108 \end{center}\par
18109 \@thanks
18110 \vfill\null
18111 \if@twoside\next@tpage
18112 \begin{minipage}[t]{\textwidth}
18113 \@uppertitleback
18114 \end{minipage}\par
18115 \vfill
18116 \begin{minipage}[b]{\textwidth}
18117 \@lowertitleback
18118 \end{minipage}
18119 \fi
18120 \ifx\@dedication\@empty \else
18121 \next@tpage\null\vfill
18122 {\centering \Large \@dedication \par}%
18123 \vskip \z@ \@plus3fill
18124 \if@twoside \next@tpage\cleardoubleemptypage \fi
18125 \fi
18126 \end{titlepage}
18127 \else

```



```

18128 \par
18129 \@tempcnta=
18130 #1%
18131 \relax\ifnum\@tempcnta=1\else
18132 \ClassWarning{\KOMAClassName}{%
18133   Optional argument of \string\maketitle\space ignored
18134   at\MessageBreak
18135   notitlepage-mode%
18136 }%
18137 \fi
18138 \begingroup
18139 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18140 \let\@oldmakefnmark\@makefnmark
18141 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
18142 \if@twocolumn
18143   \ifnum \col@number=\@ne
18144     \@maketitle
18145   \else
18146     \twocolumn[\@maketitle]%
18147   \fi
18148 \else
18149   \newpage
18150   \global\@topnum\z@
18151   \@maketitle
18152 \fi
18153 \thispagestyle{\titlepagestyle}\@thanks
18154 \endgroup
18155 \fi
18156 \setcounter{footnote}{0}%
18157 \let\thanks\relax
18158 \let\LTRthanks\relax
18159 \let\RTLthanks\relax
18160 \let\maketitle\relax
18161 \let\@maketitle\relax
18162 \global\let\@thanks\@empty
18163 \global\let\@author\@empty
18164 \global\let\@date\@empty
18165 \global\let\@title\@empty
18166 \global\let\@subtitle\@empty
18167 \global\let\@extratitle\@empty
18168 \global\let\@titlehead\@empty
18169 \global\let\@subject\@empty
18170 \global\let\@publishers\@empty
18171 \global\let\@uppertitleback\@empty
18172 \global\let\@lowertitleback\@empty
18173 \global\let\@dedication\@empty
18174 \global\let\author\relax
18175 \global\let\title\relax
18176 \global\let\extratitle\relax
18177 \global\let\titlehead\relax

```



```

18178 \global\let\subject\relax
18179 \global\let\publishers\relax
18180 \global\let\uppertitleback\relax
18181 \global\let\lowertitleback\relax
18182 \global\let\dedication\relax
18183 \global\let\date\relax
18184 \global\let\and\relax
18185 }%
18186 \renewcommand*{\@maketitle}{%
18187   \clearpage
18188   \let\footnote\thanks
18189   \let\LTRfootnote\LTRthanks
18190   \let\RTLfootnote\RTLthanks
18191   \ifx\@extratitle\@empty \else
18192     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18193   \fi
18194   \setparsizes{z@}{z@}{z@\@plus 1fil}\par@updaterelative
18195   \ifx\@titlehead\@empty \else
18196     \begin{minipage}[t]{\textwidth}
18197       \@titlehead
18198     \end{minipage}\par
18199   \fi
18200   \null
18201   \vskip 2em%
18202   \begin{center}%
18203     \ifx\@subject\@empty \else
18204       {\subject@font \@subject \par}
18205       \vskip 1.5em
18206     \fi
18207     {\titlefont\huge \@title \par}%
18208     \vskip .5em
18209     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18210     \vskip 1em
18211     {\Large
18212       \lineskip .5em%
18213       \begin{tabular}[t]{c}
18214         \@author
18215       \end{tabular}\par
18216     }%
18217     \vskip 1em%
18218     {\Large \@date \par}%
18219     \vskip \z@ \@plus 1em
18220     {\Large \@publishers \par}
18221     \ifx\@dedication\@empty \else
18222       \vskip 2em
18223       {\Large \@dedication \par}
18224     \fi
18225   \end{center}%
18226   \par
18227   \vskip 2em

```



```

18228 }%
18229 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18230 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18231 \renewcommand*\thesection{%
18232   \thechapter\@SepMark%
18233   \@arabic\c@section
18234 }
18235 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
18236 \renewcommand*{\thesubsubsection}{%
18237   \thesubsection\@SepMark\@arabic\c@subsubsection
18238 }
18239 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18240 \renewcommand*{\thesubparagraph}{%
18241   \theparagraph\@SepMark\@arabic\c@subparagraph
18242 }
18243 \renewcommand*\thefigure{%
18244   \thechapter\@SepMark%
18245   \@arabic\c@figure
18246 }
18247 \renewcommand*\thetable{%
18248   \thechapter\@SepMark%
18249   \@arabic\c@table
18250 }
18251 \renewcommand*\theequation{%
18252   \thechapter\@SepMark%
18253   \@arabic\c@equation
18254 }
18255 \renewenvironment{thebibliography}[1]{%
18256   \if@bib@break@
18257     \bib@beginhook
18258   \else
18259     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18260       \setchapterpreamble{\bibpreamble}%
18261     \fi\fi
18262     \bib@heading
18263     \bib@beginhook
18264     \bib@before@hook
18265   \fi
18266   \renewcommand{\BreakBibliography}[1]{%
18267     \@bib@break
18268     \end{thebibliography}%
18269     \begingroup ##1\endgroup
18270     \begin{thebibliography}{#1}
18271   }%
18272   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18273   \bidi@thebibliography@font@hook%
18274   \list{%
18275     \@biblabel{\@arabic\c@enumiv}%
18276   }{%
18277     \settowidth\labelwidth{\@biblabel{#1}}%

```




```

18278 \leftmargin\labelwidth
18279 \advance\leftmargin\labelsep
18280 \@openbib@code
18281 \if@bib@break@
18282 \edef\@tempa{%
18283 \noexpand\usecounter{enumiv}}%
18284 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18285 }\@tempa
18286 \no@bib@break
18287 \else
18288 \usecounter{enumiv}%
18289 \fi
18290 \let\p@enumiv\@empty
18291 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18292 }%
18293 \sloppy\clubpenalty4000 \widowpenalty4000
18294 \sfcode`\.=\@m
18295 }{%
18296 \if@bib@break@
18297 \def\@noitemerr{%
18298 \@latex@warning{%
18299 \string\BreakBibliography\space at begin of `thebibliography'
18300 environment\MessageBreak
18301 or following \string\BreakBibliography}%
18302 }%
18303 \else
18304 \def\@noitemerr{%
18305 \@latex@warning{%
18306 Empty `thebibliography' environment or
18307 \string\BreakBibliography\MessageBreak
18308 before end of `thebibliography' environment}%
18309 }%
18310 \fi
18311 \endlist
18312 \if@bib@break@
18313 \else
18314 \bib@after@hook
18315 \let\bib@before@hook\@empty
18316 \let\bib@after@hook\@empty
18317 \fi
18318 \bib@endhook
18319 }
18320 \renewcommand*\left@footnoterule{%
18321 \kern-3\p@
18322 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18323 \hrule\@width.4\columnwidth
18324 \kern 2.6\p@}
18325 \renewcommand*\right@footnoterule{%
18326 \kern-3\p@
18327 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi

```



```

18328 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18329 \kern2.6\p@}
18330 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18331 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18332 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18333 \renewcommand\marginline[1]{%
18334 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18335 }
18336 \renewcommand{\@@makecaption}[3]{%
18337 \cap@margin
18338 \ifonelinecaptions
18339 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18340 \let\scr@tmp@footnotetext=\@footnotetext
18341 \let\@footnotetext=\@gobble
18342 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18343 \let\@LTRfootnotetext=\@gobble
18344 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18345 \let\@RTLfootnotetext=\@gobble
18346 \sbox\@tempboxa{%
18347 {\capfont{\strut\ignorespaces
18348 #1{\caplabelfont{#2\captionformat}}}%
18349 #3\unskip\strut}}%
18350 }%
18351 \let\@footnotetext=\scr@tmp@footnotetext
18352 \let\scr@tmp@footnotetext=\undefined
18353 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18354 \let\scr@tmp@LTRfootnotetext=\undefined
18355 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18356 \let\scr@tmp@RTLfootnotetext=\undefined
18357 \setcounter{footnote}{\@tempcntb}%
18358 \setcounter{mpfootnote}{\@tempcnta}%
18359 \else
18360 \sbox\@tempboxa{\hspace*{2\cap@width}}%
18361 \fi
18362 \begingroup%
18363 \setlength{\@tempdima}{\cap@width}%
18364 \ifdim \wd\@tempboxa >\@tempdima
18365 \hb@xt@\hsize{%
18366 \setbox\@tempboxa\vbox{\hsize=\cap@width
18367 \ifdofullc@p
18368 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18369 #1{\caplabelfont{#2\captionformat}}}}}%
18370 {#3\unskip\strut\par}}}%
18371 \else%
18372 \ifdim\cap@indent<\z@
18373 {\capfont{\strut\ignorespaces
18374 #1{\caplabelfont{#2\captionformat\par}}}%
18375 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18376 \else%
18377 \if@capbreak

```



```

18378         {\capfont{\strut\ignorespaces
18379             #1{\caplabelfont{#2\captionformat\par}}}%
18380             \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18381     \else
18382         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18383             {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18384             {\caplabelfont{#2\captionformat}}}}{#3\unskip\strut\par}}}%
18385     \fi
18386 \fi
18387 \fi
18388 }%
18389 \setlength{\@tempdima}{\ht\@tempboxa}%
18390 \addtolength{\@tempdima}{\dp\@tempboxa}%
18391 \addtolength{\@tempdima}{-\ht\strutbox}%
18392 \ht\@tempboxa\ht\strutbox
18393 \dp\@tempboxa\@tempdima
18394 \strut\cap@left
18395 \box\@tempboxa
18396 \cap@right\strut
18397 }%
18398 \else
18399     \global \@minipagefalse
18400     \sbox\@tempboxa{%
18401         {\capfont{\scr@smashdp{\strut\ignorespaces
18402             #1{\caplabelfont{#2\captionformat}}}}}%
18403         #3}%
18404     }%
18405     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap@right}}}%
18406 \fi
18407 \endgroup
18408 }
18409 \renewcommand{\@makecaption}[2]{%
18410     \if@captionabove
18411         \vskip\belowcaptionskip
18412     \else
18413         \vskip\abovecaptionskip
18414     \fi
18415     \@@makecaption\@firstofone{#1}{#2}%
18416     \if@captionabove
18417         \vskip\abovecaptionskip
18418     \else
18419         \vskip\belowcaptionskip
18420     \fi
18421 }
18422 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18423     \@ifpackageloaded{caption2}{\@komalongtablefalse
18424         \scr@caption@before@longtable@warning{caption2}%
18425     }{}%
18426     \if@komalongtable
18427         \renewcommand{\LT@makecaption}[3]{%

```



```

18428 \noalign{%
18429 \if@captionabove
18430 \vskip\belowcaptionskip
18431 \else
18432 \vskip\abovecaptionskip
18433 \fi
18434 }%
18435 \LT@mcol\LT@cols c{%
18436 \hbox to\z@{\hss\parbox[t]\linewidth{%
18437 \@makecaption{#1}{#2}{#3}%
18438 \endgraf
18439 \if@captionabove
18440 \vskip\abovecaptionskip
18441 \else
18442 \vskip\belowcaptionskip
18443 \fi
18444 }%
18445 \hss
18446 }%
18447 }%
18448 }%
18449 \renewcommand*{\scr@LT@array}{}%
18450 \let\scr@LT@array=\LT@array
18451 \renewcommand*{\LT@array}{%
18452 \let\scr@caption=\LT@caption
18453 \def\captionabove{\noalign{\global\@captionabovetrue}%
18454 \scr@caption}%
18455 \def\captionbelow{\noalign{\global\@captionabovetrue}%
18456 \scr@caption}%
18457 \if@tablecaptionabove
18458 \let\LT@caption=\captionabove
18459 \else
18460 \let\LT@caption=\captionbelow
18461 \fi
18462 \scr@LT@array
18463 }%
18464 \ClassInfo{\KOMAClassName}{%
18465 longtable captions redefined%
18466 }%
18467 \fi
18468 }
18469
18470 \CloneTOCEntryStyle{tocline}{part}
18471 \TOCEntryStyleStartInitCode{part}{%
18472 \expandafter\renewcommand%
18473 \csname scr@tso@#1@linefill\endcsname{\hfill}%
18474 \expandafter\renewcommand%
18475 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18476 \expandafter\renewcommand%
18477 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%

```



```

18478 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18479 \expandafter\renewcommand\expandafter*%
18480 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18481 }
18482
18483 \CloneTOCEntryStyle{tocline}{chapter}
18484 \TOCEntryStyleStartInitCode{chapter}{%
18485 \expandafter\renewcommand%
18486 \csname scr@tso@#1@linefill\endcsname{%
18487 \if@chapterentrywithdots
18488 \TOCLineLeaderFill\relax
18489 \else
18490 \hfill
18491 \fi
18492 }%
18493 \expandafter\renewcommand%
18494 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
18495 \expandafter\renewcommand%
18496 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18497 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18498 \expandafter\renewcommand\expandafter*%
18499 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18500 }
18501
18502 \CloneTOCEntryStyle{tocline}{section}
18503 \TOCEntryStyleStartInitCode{section}{%
18504 \expandafter\renewcommand%
18505 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18506 }
18507
18508 \CloneTOCEntryStyle{section}{default}
18509
18510 \DeclareSectionCommand[%
18511 style=part,%
18512 level=\m@ne,%
18513 pagestyle=plain,%
18514 tocstyle=part,%
18515 toplevel=\m@ne,%
18516 tocindent=\z@,%
18517 tocnumwidth=2em%
18518 ]{part}
18519 \DeclareSectionCommand[%
18520 style=chapter,%
18521 level=\z@,%
18522 pagestyle=plain,%
18523 tocstyle=chapter,%
18524 tocindent=\z@,%
18525 tocnumwidth=1.5em%
18526 ]{chapter}
18527 \DeclareSectionCommand[%

```



```

18528 style=section,%
18529 level=1,%
18530 indent=\z@,%
18531 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18532 afterskip=2.3ex \@plus .2ex,%
18533 tocstyle=section,%
18534 tocindent=1.5em,%
18535 tocnumwidth=2.3em%
18536]{section}
18537\DeclareSectionCommand[%
18538 style=section,%
18539 level=2,%
18540 indent=\z@,%
18541 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18542 afterskip=1.5ex \@plus .2ex,%
18543 tocstyle=section,%
18544 tocindent=3.8em,%
18545 tocnumwidth=3.2em%
18546]{subsection}
18547\DeclareSectionCommand[%
18548 style=section,%
18549 level=3,%
18550 indent=\z@,%
18551 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18552 afterskip=1.5ex \@plus .2ex,%
18553 tocstyle=section,%
18554 tocindent=7.0em,%
18555 tocnumwidth=4.1em%
18556]{subsubsection}
18557\DeclareSectionCommand[%
18558 style=section,%
18559 level=4,%
18560 indent=\z@,%
18561 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
18562 afterskip=-1em,%
18563 tocstyle=section,%
18564 tocindent=10em,%
18565 tocnumwidth=5em%
18566]{paragraph}
18567\DeclareSectionCommand[%
18568 style=section,%
18569 level=5,%
18570 indent=\scr@parindent,%
18571 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
18572 afterskip=-1em,%
18573 tocstyle=section,%
18574 tocindent=12em,%
18575 tocnumwidth=6em%
18576]{subparagraph}
18577

```



18578

109 File sidecap-xetex-bidi.def

```
18579 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18580 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18581     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18582 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18583 \renewcommand*{\SC@justify@caption}{\if@RTL%
18584 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18585     \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}
```

110 File soul-xetex-bidi.def

```
18586 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18587 \long\def\SOUL@start#1{%
18588     \let\bid@RTL@everypar\@empty
18589     \let\<\SOUL@lowerthan
18590     \let\>\empty
18591     \def\soulomit{\noexpand\soulomit}%
18592     \gdef\SOUL@eventuallyxexhyphen##1{%
18593     \let\SOUL@soeventuallyskip\relax
18594     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18595         \@minus\fontdimen4\font
18596     \SOUL@ignorespacesfalse
18597     \leavevmode
18598     \SOUL@preamble
18599     \SOUL@lasttoken={}%
18600     \SOUL@word={}%
18601     \SOUL@minus\z@
18602     \SOUL@comma\z@
18603     \SOUL@apo\z@
18604     \SOUL@grave\z@
18605     \SOUL@do{#1}%
18606     \SOUL@postamble
18607 }}
18608 \def\SOUL@underline#1{%
18609     \setbox\z@\hbox{#1}%
18610     \dimen@=\wd\z@
18611     \dimen@i=\SOUL@uloverlap
18612     \advance\dimen@2\dimen@i
18613     \if@RTL
18614     \unhcopy\z@
18615     \llap{%
18616         \null
18617         \kern-\dimen@i
18618         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18619     }%
18620     \else
18621     \rlap{%
```



```

18622         \null
18623         \kern-\dimen@i
18624         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18625     }%
18626     \unhcopy\z@
18627     \fi
18628 }}
18629 \def\bid@SOUL@ulleaders{%
18630     \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
18631 }
18632 \def\SOUL@uleveryspace#1{%
18633     \if@RTL
18634     #1%
18635     \bid@SOUL@ulleaders
18636     \hskip\spaceskip
18637     \else
18638     \SOUL@ulcolor{%
18639     #1%
18640     \SOUL@ulleaders
18641     \hskip\spaceskip
18642     }%
18643     \fi
18644     \null
18645 }

```

111 File stabular-xetex-bidi.def

```

18646 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18647 \def\@stabular{%
18648     \leavevmode \bgroup \if@RTLtab\beginR \fi
18649     \let\@acol\@tabacol
18650     \let\@classz\@tabclassz
18651     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18652 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18653     \egroup \if@RTLtab\endR\fi\egroup}
18654 \expandafter \let \csname endstabular*\endcsname = \endstabular
18655 \def\@sarray[#1]#2{%
18656     \bgroup
18657     \setbox\@arstrutbox\hbox{%
18658         \vrule \@height\arraystretch\ht\strutbox
18659         \@depth\arraystretch \dp\strutbox
18660         \@width\z@}%
18661     \mkpream{#2}%
18662     \edef\@preamble{%
18663         \ialign \noexpand\@halignto
18664         \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18665     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18666     \let\@tabularnewline\%
18667     \let\@sharp##%
18668     \set@typeset@protect

```




```

18669 \lineskip\z@skip\baselineskip\z@skip
18670 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18671 \@preamble}

```

112 File subfigure-xetex-bidi.def

```

18672 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18673 \AtBeginDocument{%
18674 \let\p@subfigure=\thefigure
18675 \let\p@subtable=\thetable%
18676 }

```

113 File tabs-xetex-bidi.def

```

18677 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeLaTeX]
18678 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18679
18680 \expandafter\let\csname endtabular*\endcsname=\endtabular
18681
18682 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18683 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18684 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18685
18686 \def\@array[#1]#2{% remember global variables to allow recursion:
18687 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18688 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18689 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18690 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18691 \else \let\@tarlinesep\tablinesep \fi
18692 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18693 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18694 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18695 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18696 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18697 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18698 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18699 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18700 \let\protect\noexpand
18701 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18702 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18703 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18704 \if#1t\top \else \if#1b\vbox \else \vcenter \fi\fi
18705 \bgroup \let\par\empty
18706 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18707 \advance\extrarulesep.5\arrayrulewidth
18708 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18709 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \vbox \fi\bgroup\fi
18710 \@preamble}

```



114 File tabularx-xetex-bidi.def

```

18711 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18712 \def\TX@endtabularx{%
18713   \expandafter\expandafter\expandafter
18714     \TX@find@endtabularxa\csname end\TX@\endcsname
18715     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18716   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18717   \let\verb\TX@verb
18718   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18719   \edef\TX@ckpt{\cl@ckpt}%
18720   \let\@elt\relax
18721   \TX@old@table\maxdimen
18722   \TX@col@width\TX@target
18723   \global\TX@cols\@ne
18724   \TX@typeout@
18725     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18726   \TX@trial{\def\NC@rewriteX{%
18727     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18728   \loop
18729     \TX@arith
18730     \ifTX@
18731     \TX@trial{%
18732   \repeat
18733   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18734   \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18735   \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18736   \csname tabular*\expandafter\endcsname\expandafter\TX@target
18737     \the\toks@
18738   \csname endtabular*\endcsname}%
18739   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18740   \ifnum0=\@fi}%
18741   \expandafter\expandafter\expandafter
18742     \TX@find@endtabularxbb
18743     \expandafter\end\expandafter{\TX@}%
18744   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18745 }
18746
18747 \def\TX@trial#1{%
18748   \setbox\@tempboxa\hbox{%
18749     #1\relax
18750   \let\@footnotetext\TX@trial@ftn
18751   \let\@LTRfootnotetext\TX@trial@ftn
18752   \let\@RTLfootnotetext\TX@trial@ftn
18753   \let\TX@vwarn\@empty
18754   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18755   \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18756   \def\write{\begingroup
18757     \let\afterassignment\endgroup\toks@}%
18758     \afterassignment\let\count@}%

```



```

18759 \hbadness\@M
18760 \hfuzz\maxdimen
18761 \let\hbadness\@tempcnta
18762 \let\hfuzz\@tempdima
18763 \expandafter\tabular\the\toks@
18764 \endtabular}%
18765 \TX@ckpt
18766 \TX@typeout@{\@spaces
18767 \expandafter\TX@align
18768 \the\wd\@tempboxa\space\space\space\space\space\@@
18769 \expandafter\TX@align
18770 \the\TX@colwidth\space\space\space\space\space\@@
18771 \@spaces\the\TX@cols}}
18772
18773 \long\def\TX@LTRftntext#1{%
18774 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18775 [\the\csname c@\@mpfn\endcsname]}}%
18776 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18777 \long\def\TX@xLTRftntext[#1]#2{%
18778 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18779
18780 \long\def\TX@RTLftntext#1{%
18781 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18782 [\the\csname c@\@mpfn\endcsname]}}%
18783 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18784 \long\def\TX@xRTLftntext[#1]#2{%
18785 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

115 File tabulary-xetex-bidi.def

```

18786 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18787 \def\@testpach{\@chclass
18788 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18789 \ifnum \@lastchclass=7 5 \else
18790 \ifnum \@lastchclass=8 \tw@ \else
18791 \ifnum \@lastchclass=9 \thr@@
18792 \else \@z@
18793 \ifnum \@lastchclass = 10 \else
18794 \edef\@nextchar{\expandafter\string\@nextchar}%
18795 \@chnum
18796 \if \@nextchar c\z@ \else
18797 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18798 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18799 \if \@nextchar C7 \else
18800 \if \@nextchar L8 \else
18801 \if \@nextchar R9 \else
18802 \if \@nextchar J10 \else
18803 \z@ \@chclass
18804 \if \@nextchar |\@ne \else
18805 \if \@nextchar !6 \else

```




```

18850 \bidi@mpfootnoterule%
18851 }{}{}

```

118 File titlesec-xetex-bidi.def

```

18852 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18853 \renewcommand\filright{%
18854   \gdef\ttl@filleft##1{\hskip##1}%
18855   \gdef\ttl@filright##1{\hfill}%
18856   \let\\\@centercr
18857   \advance\rightskip\z@ \@plus 1fil
18858   \parfillskip\z@}
18859 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18860   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18861   \setlength\leftskip{#6}%
18862   \setlength\rightskip{#7}%
18863   \interlinepenalty\@M
18864   \ttl@change@centercr
18865   \ttl@begin@longest
18866   #1{\ifhmode\ttl@hmode@error\fi
18867     \ttl@glcmds
18868     \parindent\z@
18869     \leavevmode
18870     \begin@group
18871     \ifttl@label
18872       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18873       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18874       \llap{\box\z@}%
18875     \fi
18876     #4{#8}%
18877     \kern\z@\strut\@par
18878     \endgroup
18879     \nobreak\ttl@midlongest#5\@par}%
18880   \ttl@endlongest}

```

119 File titletoc-xetex-bidi.def

```

18881 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18882 \renewcommand\filright{%
18883   \gdef\ttl@filleft##1{\hskip##1}%
18884   \gdef\ttl@filright##1{\hfill}%
18885   \let\\\@centercr
18886   \advance\rightskip\z@ \@plus 1fil
18887   \parfillskip\z@}
18888 \renewcommand\contentspush[1]{%
18889   \sbox\z@{#1}%
18890   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18891   \aftergroup\ttl@b
18892   \leavevmode\llap{\box\z@}}
18893 \def\ttl@outnoblock#1#2#3{%

```



```

18894 \begingroup
18895 \ifnum\ttl@b>\ttl@a
18896   \nobreak
18897 \else\ifnum\ttl@b<\ttl@a
18898   \addpenalty{\@secpenalty}%
18899 \else
18900   \addpenalty{\z@}%
18901 \fi\fi
18902 \ttl@contentsstretch
18903 \nobreak
18904 \ifcase#1\relax\else\interlinepenalty\@M\fi
18905 \parindent\z@
18906 \ifx\@nil#2%
18907   \PackageError{titletoc}{Unimplemented}%
18908   {The optional argument is currently mandatory}%
18909 \else
18910   \if@RTL\setlength\rightskip{#2}\else
18911     \setlength\leftskip{#2}\fi%
18912 \fi
18913 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18914 \let\contentsmargin\ttl@margin
18915 \def\ttl@makeline##1{##1}%
18916 #3%
18917 \addtolength{\parfillskip}{-\ttl@corr}%
18918 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18919 \let\ttl@leaders\leaders}
18920 \renewcommand\ttl@margin[2][\z@]{%
18921   \def\ttl@corr{#1}%
18922   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18923   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18924   \def\@pnumwidth{#2}}
18925 \let\ttl@savel@part\l@part
18926 \def\l@part{\ttl@lselect{part}}
18927
18928 \let\ttl@savel@chapter\l@chapter
18929 \def\l@chapter{\ttl@lselect{chapter}}

```

120 File tocbibind-xetex-bidi.def

```

18930 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18931 \if@dotocbib
18932   \ifpackageloaded{natbib}{\% natbib not loaded
18933     \renewcommand{\bibsection}{\t@cb@bchapsec}
18934     \renewenvironment{thebibliography}[1]{%
18935       \bibsection
18936       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
18937   \renewenvironment{thebibitemlist}[1]{
18938     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18939     \bidi@thebibliography@font@hook%
18940     \list{\@biblabel{\@arabic{c@enumiv}}}%

```



```

18941      {\settowidth\labelwidth{\@biblabel{#1}}%
18942       \leftmargin\labelwidth
18943       \advance\leftmargin\labelsep
18944       \@openbib@code
18945       \usecounter{enumiv}%
18946       \let\p@enumiv\@empty
18947       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18948   \sloppy
18949   \clubpenalty4000
18950   \@clubpenalty \clubpenalty
18951   \widowpenalty4000%
18952   \sfcode`. \m}
18953   {\def\@noitemerr
18954    {\@latex@warning{Empty `thebibliography' environment}}}%
18955   \endlist}
18956
18957   \ifpackagewith{chapterbib}{sectionbib}%
18958     {\renewcommand{\sectionbib}[2]{}}%
18959     {}
18960
18961 \fi
18962 \if@inltxdoc\else
18963   \renewenvironment{theindex}%
18964     {\if@twocolumn
18965      \@restonecolfalse
18966      \else
18967        \@restonecoltrue
18968      \fi
18969      \if@bibchapter
18970        \if@donumindex
18971          \refstepcounter{chapter}
18972          \twocolumn[\vspace*{2\topskip}%
18973                    \@makechapterhead{\indexname}}%
18974          \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18975          \chaptermark{\indexname}
18976        \else
18977          \if@dotocind
18978            \twocolumn[\vspace*{2\topskip}%
18979                      \@makeschapterhead{\indexname}}%
18980            \prw@mkboth{\indexname}
18981            \addcontentsline{toc}{chapter}{\indexname}
18982          \else
18983            \twocolumn[\vspace*{2\topskip}%
18984                      \@makeschapterhead{\indexname}}%
18985            \prw@mkboth{\indexname}
18986          \fi
18987        \fi
18988      \else
18989        \if@donumindex
18990          \twocolumn[\vspace*{-1.5\topskip}%

```



```

18991         \@nameuse{\@tocextra}{\indexname}}%
18992         \csname \@tocextra mark\endcsname{\indexname}
18993     \else
18994         \if@dotocind
18995             \twocolumn[\vspace*{-1.5\topskip}%
18996                 \toc@headstar{\@tocextra}{\indexname}}%
18997             \prw@mkboth{\indexname}
18998             \addcontentsline{toc}{\@tocextra}{\indexname}
18999         \else
19000             \twocolumn[\vspace*{-1.5\topskip}%
19001                 \toc@headstar{\@tocextra}{\indexname}}%
19002             \prw@mkboth{\indexname}
19003         \fi
19004     \fi
19005 \fi
19006 \thispagestyle{plain}\parindent\z@
19007 \parskip\z@ \@plus .3\p@\relax
19008 \let\item\@idxitem}
19009 {\if@restonecol\onecolumn\else\clearpage\fi}
19010 \fi

```

121 File tocloft-xetex-bidi.def

```

19011 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
19012 \let\cftdot\@SepMark
19013 \if@cfthaspart
19014 \renewcommand*{\l@part}[2]{
19015     \@cftdopartfalse
19016     \ifnum \c@tocdepth >-2\relax
19017         \if@cfthaschapter
19018             \@cftdoparttrue
19019         \fi
19020         \ifnum \c@tocdepth >\m@ne
19021             \if@cfthaschapter\else
19022                 \@cftdoparttrue
19023             \fi
19024         \fi
19025     \fi
19026 \if@cftdopart
19027     \if@cfthaschapter
19028         \addpenalty{-\@highpenalty}
19029     \else
19030         \addpenalty\@secpenalty
19031     \fi
19032     \addvspace{\cftbeforepartskip}
19033     \begingroup
19034     {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
19035     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19036     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19037     \parindent \cftpartindent\relax\@afterindenttrue

```




```

19038 \interlinepenalty\@M
19039 \leavevmode
19040 \@tempdima \cftpartnumwidth\relax
19041 \let\@cftbsnum \cftpartpresnum
19042 \let\@cftasnum \cftpartaftersnum
19043 \let\@cftasnumb \cftpartaftersnumb
19044 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19045 {\cftpartfont \cftpartpresnum #1}
19046 \cftpartfillnum{#2}}
19047 \nobreak
19048 \if@cfthaschapter
19049 \global\@nobreaktrue
19050 \everypar{\global\@nobreakfalse\everypar{}}
19051 \else
19052 \if@compatibility
19053 \global\@nobreaktrue
19054 \everypar{\global\@nobreakfalse\everypar{}}
19055 \fi
19056 \fi
19057 \endgroup
19058 \fi}
19059 \fi
19060 \if@cfthaschapter
19061 \renewcommand*{\l@chapter}[2]{
19062 \ifnum \c@tocdepth >\m@ne
19063 \addpenalty{-\@highpenalty}
19064 \vskip \cftbeforechapskip
19065 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
19066 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19067 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19068 \parindent \cftchapindent\relax\@afterindenttrue
19069 \interlinepenalty\@M
19070 \leavevmode
19071 \@tempdima \cftchapnumwidth\relax
19072 \let\@cftbsnum \cftchappresnum
19073 \let\@cftasnum \cftchapaftersnum
19074 \let\@cftasnumb \cftchapaftersnumb
19075 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19076 {\cftchapfont #1}\nobreak
19077 \cftchapfillnum{#2}}
19078 \fi}
19079 \fi
19080 \renewcommand*{\l@section}[2]{%
19081 \ifnum \c@tocdepth >\z@
19082 \if@cfthaschapter
19083 \vskip \cftbeforesecskip
19084 \else
19085 \addpenalty\@secpenalty
19086 \addvspace{\cftbeforesecskip}
19087 \fi

```



```

19088 {\if@RTL\rightrightskip\else\leftskip\fi \cftsecindent\relax
19089 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19090 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19091 \parindent \cftsecindent\relax\@afterindenttrue
19092 \interlinepenalty\@M
19093 \leavevmode
19094 \@tempdima \cftsecnumwidth\relax
19095 \let\@cftbsnum \cftsecpresnum
19096 \let\@cftasnum \cftsecaftersnum
19097 \let\@cftasnumb \cftsecaftersnumb
19098 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19099 {\cftsecfont #1}\nobreak
19100 \cftsecfillnum{#2}}
19101 \fi}
19102 \renewcommand*{\l@section}[2]{%
19103 \ifnum \c@tocdepth >\@ne
19104 \vskip \cftbeforesubsecskip
19105 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsecindent\relax
19106 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19107 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19108 \parindent \cftsubsecindent\relax\@afterindenttrue
19109 \interlinepenalty\@M
19110 \leavevmode
19111 \@tempdima \cftsubsecnumwidth\relax
19112 \let\@cftbsnum \cftsubsecpresnum
19113 \let\@cftasnum \cftsubsecaftersnum
19114 \let\@cftasnumb \cftsubsecaftersnumb
19115 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19116 {\cftsubsecfont #1}\nobreak
19117 \cftsubsecfillnum{#2}}
19118 \fi}
19119 \renewcommand*{\l@subsubsection}[2]{%
19120 \ifnum \c@tocdepth >\tw@
19121 \vskip \cftbeforesubsubsecskip
19122 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsubsecindent\relax
19123 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19124 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19125 \parindent \cftsubsubsecindent\relax\@afterindenttrue
19126 \interlinepenalty\@M
19127 \leavevmode
19128 \@tempdima \cftsubsubsecnumwidth\relax
19129 \let\@cftbsnum \cftsubsubsecpresnum
19130 \let\@cftasnum \cftsubsubsecaftersnum
19131 \let\@cftasnumb \cftsubsubsecaftersnumb
19132 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19133 {\cftsubsubsecfont #1}\nobreak
19134 \cftsubsubsecfillnum{#2}}
19135 \fi}
19136 \renewcommand*{\l@paragraph}[2]{%
19137 \ifnum \c@tocdepth >3\relax

```



```

19138 \vskip \cftbeforeparaskip
19139 {\if@RTL\rightrightskip\else\leftskip\fi \cftparaindent\relax
19140 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19141 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19142 \parindent \cftparaindent\relax\@afterindenttrue
19143 \interlinepenalty\@M
19144 \leavevmode
19145 \@tempdima \cftparanumwidth\relax
19146 \let\@cftbsnum \cftparapresnum
19147 \let\@cftasnum \cftparaaftersnum
19148 \let\@cftasnumb \cftparaaftersnumb
19149 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19150 {\cftparafont #1}\nobreak
19151 \cftparafillnum{#2}}
19152 \fi}
19153 \renewcommand*{\l@subparagraph}[2]{%
19154 \ifnum \c@tocdepth >4\relax
19155 \vskip \cftbeforesubparaskip
19156 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
19157 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19158 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19159 \parindent \cftsubparaindent\relax\@afterindenttrue
19160 \interlinepenalty\@M
19161 \leavevmode
19162 \@tempdima \cftsubparanumwidth\relax
19163 \let\@cftbsnum \cftsubparapresnum
19164 \let\@cftasnum \cftsubparaaftersnum
19165 \let\@cftasnumb \cftsubparaaftersnumb
19166 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19167 {\cftsubparafont #1}\nobreak
19168 \cftsubparafillnum{#2}}
19169 \fi}
19170 \renewcommand*{\l@figure}[2]{%
19171 \ifnum \c@lofdepth >\z@
19172 \vskip \cftbeforefigskip
19173 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
19174 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19175 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19176 \parindent \cftfigindent\relax\@afterindenttrue
19177 \interlinepenalty\@M
19178 \leavevmode
19179 \@tempdima \cftfignumwidth\relax
19180 \let\@cftbsnum \cftfigpresnum
19181 \let\@cftasnum \cftfigaftersnum
19182 \let\@cftasnumb \cftfigaftersnumb
19183 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19184 {\cftfigfont #1}\nobreak
19185 \cftfigfillnum{#2}}
19186 \fi
19187 }

```



```

19188 \renewcommand*{\l@table}[2]{%
19189   \ifnum\c@lotdepth >\z@
19190     \vskip \cftbeforetabskip
19191     {\if@RTL\righskip\else\leftskip\fi \cfttabindent\relax
19192      \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19193      \parfillskip -\if@RTL\leftskip\else\righskip\fi
19194      \parindent \cfttabindent\relax\@afterindenttrue
19195      \interlinepenalty\@M
19196      \leavevmode
19197      \@tempdima \cfttabnumwidth\relax
19198      \let\@cftbsnum \cfttabpresnum
19199      \let\@cftasnum \cfttabaftersnum
19200      \let\@cftasnumb \cfttabaftersnumb
19201      \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
19202      {\cfttabfont #1}\nobreak
19203      \cfttabfillnum{#2}}
19204   \fi
19205 }
19206 \renewcommand{\@cftl@subfig}{
19207 \renewcommand*{\l@subfigure}[2]{%
19208   \ifnum \c@lofdepth > \toclevel@subfigure
19209     \vskip \cftbeforesubfigskip
19210     {\if@RTL\righskip\else\leftskip\fi \cftsubfigindent\relax
19211      \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19212      \parfillskip -\if@RTL\leftskip\else\righskip\fi
19213      \parindent \cftsubfigindent\relax\@afterindenttrue
19214      \interlinepenalty\@M
19215      \leavevmode
19216      \@tempdima \cftsubfignumwidth\relax
19217      \let\@cftbsnum \cftsubfigpresnum
19218      \let\@cftasnum \cftsubfigaftersnum
19219      \let\@cftasnumb \cftsubfigaftersnumb
19220      \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
19221      {\cftsubfigfont ##1}\nobreak
19222      \cftsubfigfillnum{##2}}
19223   \fi
19224 }
19225 }
19226 \renewcommand{\@cftl@subtab}{
19227 \renewcommand*{\l@subtable}[2]{%
19228   \ifnum \c@lotdepth > \toclevel@subtable
19229     \vskip \cftbeforesubtabskip
19230     {\if@RTL\righskip\else\leftskip\fi \cftsubtabindent\relax
19231      \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19232      \parfillskip -\if@RTL\leftskip\else\righskip\fi
19233      \parindent \cftsubtabindent\relax\@afterindenttrue
19234      \interlinepenalty\@M
19235      \leavevmode
19236      \@tempdima \cftsubtabnumwidth\relax
19237      \let\@cftbsnum \cftsubtabpresnum

```



```

19238 \let\@cftasnum \cftsubtabaftersnum
19239 \let\@cftasnumb \cftsubtabaftersnumb
19240 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19241 {\cftsubtabfont ##1}\nobreak
19242 \cftsubtabfillnum{##2}}
19243 \fi
19244 }
19245 }
19246 \renewcommand{\newlistentry}[4][\@empty]{%
19247 \ifundefined{c@#2}{% check & set the counter
19248 \ifx \@empty#1\relax
19249 \newcounter{#2}
19250 \else
19251 \ifundefined{c@#1}{\PackageWarning{tocloft}%
19252 {#1 has no counter for use as a `within'}
19253 \newcounter{#2}}%
19254 {\newcounter{#2}[#1]%
19255 \expandafter\edef\csname the#2\endcsname{%
19256 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19257 \fi
19258 \setcounter{#2}{0}
19259 }
19260 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19261
19262 \@namedef{l@#2}##1##2{%
19263 \ifnum \@nameuse{c@#3depth} > #4\relax
19264 \vskip \@nameuse{cftbefore#2skip}
19265 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}}\relax
19266 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19267 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19268 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19269 \interlinepenalty\@M
19270 \leavevmode
19271 \@tempdima \@nameuse{cft#2numwidth}\relax
19272 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19273 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19274 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19275 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19276 {\@nameuse{cft#2font}##1}\nobreak
19277 \@nameuse{cft#2fillnum}{##2}}
19278 \fi
19279 } % end of l@#2
19280
19281 \expandafter\newlength\csname cftbefore#2skip\endcsname
19282 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19283 \expandafter\newlength\csname cft#2indent\endcsname
19284 \expandafter\newlength\csname cft#2numwidth\endcsname
19285 \ifcase #4\relax % 0
19286 \setlength{\@nameuse{cft#2indent}}{0em}
19287 \setlength{\@nameuse{cft#2numwidth}}{1.5em}

```



```

19288 \or % 1
19289 \setlength{\@nameuse{cft#2indent}}{1.5em}
19290 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19291 \or % 2
19292 \setlength{\@nameuse{cft#2indent}}{3.8em}
19293 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19294 \or % 3
19295 \setlength{\@nameuse{cft#2indent}}{7.0em}
19296 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19297 \else % anything else
19298 \setlength{\@nameuse{cft#2indent}}{10.0em}
19299 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19300 \fi
19301 \@namedef{cft#2font}{\normalfont}
19302 \@namedef{cft#2presnum}{}
19303 \@namedef{cft#2aftersnum}{}
19304 \@namedef{cft#2aftersnumb}{}
19305 \@namedef{cft#2dotsep}{\cftdotsep}
19306 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19307 \@namedef{cft#2pagefont}{\normalfont}
19308 \@namedef{cft#2afterpnum}{}
19309 \@namedef{toclevel@#2}{#4}
19310 \@namedef{cft#2fillnum}##1{%
19311 {\@nameuse{cft#2leader}}\nobreak
19312 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19313 } % end \newlistentry
19314 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
19315 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
19316 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
19317 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
19318 \textit{#1}\protect\par}}}

```

122 File tocbasic-xetex-bidi.def

```

19319 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19320 \bidi@undef\scr@dte@def@l@undottedtocline
19321 \bidi@undef\scr@dte@undottedtocline@init
19322 \DeclareTOCEntryStyle{undottedtocline}[{%
19323 \DefineTOCEntryLengthOption{indent}%
19324 {\scr@tso@}{@indent}{entry indent}%
19325 \DefineTOCEntryLengthOption{numwidth}%
19326 {\scr@tso@}{@numwidth}{entry number width}%
19327 \@ifundefined{#1tocdepth}{%
19328 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19329 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19330 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19331 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19332 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19333 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19334 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%

```



```

19335         \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19336         \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19337             \expandafter\let\csname #1tocdepth\expandafter\endcsname
19338             \csname #1numdepth\endcsname
19339         }%
19340     }%
19341 }%
19342 }%
19343 }%
19344 }%
19345 }%
19346 }%
19347 }%
19348 }{}%
19349 \@ifundefined{scr@tso@#1@indent}{%
19350     \@ifundefined{scr@#1@tocindent}{%
19351         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19352         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19353         \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19354         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19355             \scr@ifundefinedorrelax{1@chapter}{%
19356                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19357                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19358                 \ifstr{#1}{subsubsection}{%
19359                     \@namedef{scr@tso@#1@indent}{3.8em}%
19360                 }{%
19361                     \ifstr{#1}{paragraph}{%
19362                         \@namedef{scr@tso@#1@indent}{7em}%
19363                     }{%
19364                         \ifstr{#1}{subparagraph}{%
19365                             \@namedef{scr@tso@#1@indent}{10em}%
19366                         }{%
19367                             }%
19368                         }%
19369                     }%
19370                 }%
19371             }%
19372         }{}%
19373         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19374         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19375         \ifstr{#1}{subsubsection}{%
19376             \@namedef{scr@tso@#1@indent}{7.0em}%
19377         }{%
19378             \ifstr{#1}{paragraph}{%
19379                 \@namedef{scr@tso@#1@indent}{10em}%
19380             }{%
19381                 \ifstr{#1}{subparagraph}{%
19382                     \@namedef{scr@tso@#1@indent}{12em}%
19383                 }{%
19384                     }%

```



```

19385         }%
19386     }%
19387 }%
19388 }%
19389 }%
19390 }%
19391 }%
19392 }%
19393 }%
19394 }{%
19395     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19396 }%
19397 }{}%
19398 \@ifundefined{scr@tso@#1@numwidth}{%
19399     \@ifundefined{scr@#1@tocnumwidth}{%
19400         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19401             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19402                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19403                     \scr@ifundefinedorrelax{chapter}{%
19404                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19405                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19406                                 \ifstr{#1}{subsubsection}{%
19407                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19408                                 }{%
19409                                     \ifstr{#1}{paragraph}{%
19410                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19411                                     }{%
19412                                         \ifstr{#1}{subparagraph}{%
19413                                             \@namedef{scr@tso@#1@numwidth}{5m}%
19414                                         }{%
19415                                             }%
19416                                         }%
19417                                     }%
19418                                 }%
19419                             }%
19420                         }{%
19421                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19422                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19423                                     \ifstr{#1}{subsubsection}{%
19424                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
19425                                     }{%
19426                                         \ifstr{#1}{paragraph}{%
19427                                             \@namedef{scr@tso@#1@numwidth}{5em}%
19428                                         }{%
19429                                             \ifstr{#1}{subparagraph}{%
19430                                                 \@namedef{scr@tso@#1@numwidth}{6em}%
19431                                             }{%
19432                                                 }%
19433                                             }%
19434                                         }%

```




```

19435         }%
19436     }%
19437 }%
19438     }%
19439 }%
19440 }%
19441 }{%
19442     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19443 }%
19444 }{}%
19445 }]{%
19446 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19447     \ifnum \@nameuse{#1tocdepth}<\@ne
19448         \scr@ifundefinedorrelax{chapter}{%
19449             \addpenalty\@secpenalty
19450             \addvspace{1.0em \@plus\p@}%
19451         }{%
19452             \addpenalty{-\@highpenalty}%
19453             \vskip 1.0em \@plus\p@
19454         }%
19455     \else
19456         \addpenalty\@secpenalty
19457         \addvspace{1.0em \@plus\p@}%
19458     \fi
19459     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19460     \begingroup
19461         \parindent \z@ \bidi@rightskip \@pnumwidth
19462         \parfillskip -\@pnumwidth
19463         \leavevmode
19464         \bfseries
19465         \advance\bidi@leftskip\@tempdima
19466         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19467         \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19468         ##1%
19469         \nobreak
19470         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19471         \par
19472         \penalty\@highpenalty
19473     \endgroup
19474 \fi
19475 }
19476
19477 \bidi@undef\scr@dte@def@l@largetocline
19478 \bidi@undef\scr@dte@largetocline@init
19479 \DeclareTOCEntryStyle{largetocline}[{%
19480     \DefineTOCEntryLengthOption{indent}%
19481     {scr@tso@}{@indent}{entry indent}%
19482     \@ifundefined{#1tocdepth}{%
19483         \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19484             \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%

```



```

19485 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19486 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19487 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19488 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19489 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19490 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19491 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19492 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19493 \csname #1numdepth\endcsname
19494 }%
19495 }%
19496 }%
19497 }%
19498 }%
19499 }%
19500 }%
19501 }%
19502 }%
19503 }{}%
19504 \@ifundefined{scr@tso@#1@indent}{%
19505 \@ifundefined{scr@#1@tocindent}{%
19506 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19507 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19508 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19509 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19510 \scr@ifundefinedorrelax{1@chapter}{%
19511 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19512 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19513 \ifstr{#1}{subsubsection}{%
19514 \@namedef{scr@tso@#1@indent}{3.8em}%
19515 }%
19516 \ifstr{#1}{paragraph}{%
19517 \@namedef{scr@tso@#1@indent}{7em}%
19518 }%
19519 \ifstr{#1}{subparagraph}{%
19520 \@namedef{scr@tso@#1@indent}{10em}%
19521 }%
19522 }%
19523 }%
19524 }%
19525 }%
19526 }%
19527 }{}%
19528 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19529 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19530 \ifstr{#1}{subsubsection}{%
19531 \@namedef{scr@tso@#1@indent}{7.0em}%
19532 }%
19533 \ifstr{#1}{paragraph}{%
19534 \@namedef{scr@tso@#1@indent}{10em}%

```



```

19535         }{%
19536         \ifstr{#1}{subparagraph}{%
19537         \@namedef{scr@tso@#1@indent}{12em}%
19538         }{%
19539         }%
19540         }%
19541         }%
19542         }%
19543         }%
19544         }%
19545         }%
19546         }%
19547         }%
19548         }%
19549     }{%
19550     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19551     }%
19552 }{}%
19553 }{%
19554 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19555     \ifnum \@nameuse{#1tocdepth}<\@ne
19556         \scr@ifundefinedorrelax{chapter}{%
19557             \addpenalty\@secpenalty
19558             \addvspace{2.25em \@plus\p@}%
19559         }{%
19560             \addpenalty{-\@highpenalty}%
19561             \addvspace{2.25em \@plus\p@}%
19562         }%
19563     \else
19564         \addpenalty\@secpenalty
19565         \addvspace{2.25em \@plus\p@}%
19566     \fi
19567     \setlength\@tempdima{3em}%
19568     \begingroup
19569         \parindent \z@ \bidi@rightskip \@pnumwidth
19570         \parfillskip -\@pnumwidth
19571         \leavevmode
19572         \large
19573         \bfseries
19574         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19575         ##1%
19576         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19577         \par
19578         \nobreak
19579         \ifnum 0=
19580             \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19581             \global\@nobreaktrue
19582             \everypar{\global\@nobreakfalse\everypar{}}%
19583         \fi
19584     \endgroup

```



```

19585 \fi
19586 }
19587
19588 \renewcommand*{\scr@dte@tocline}[3]{%
19589 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19590 \else
19591 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19592 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19593 {%
19594 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19595 \bidi@rightskip \@tocrmarg
19596 \parfillskip -\bidi@rightskip
19597 \@nameuse{Ifscr@tso@#1@raggedpage}{%
19598 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19599 }{}%
19600 \parindent \@nameuse{scr@tso@#1@indent}\relax
19601 \@afterindenttrue
19602 \interlinepenalty\@M
19603 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19604 \addtolength\bidi@rightskip\@flushglue
19605 \else
19606 \def\reserved@a{\raggedright}%
19607 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19608 \addtolength\bidi@rightskip\@flushglue
19609 \else
19610 \renewcommand\reserved@a{\raggedright}%
19611 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19612 \addtolength\bidi@rightskip\@flushglue
19613 \fi
19614 \fi
19615 \fi
19616 \leavevmode
19617 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19618 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19619 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
19620 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19621 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19622 \fi
19623 }%
19624 }{}%
19625 \advance\bidi@leftskip \@tempdima
19626 \null\nobreak\hskip -\bidi@leftskip
19627 {%
19628 \usetocbasicnumberline
19629 \let\scr@dte@numberline@box\numberline@box
19630 \def\numberline@box#1{%
19631 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19632 \global\scr@dte@tocline@numberwidth
19633 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19634 \ifdim \scr@dte@tocline@numberwidth

```



```

19635         >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19636         \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19637     \fi
19638     \@nameuse{Ifscr@tso@#1@dynnumwidth}{-}{%
19639         \ifdim \scr@dte@tocline@numberwidth
19640             >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19641             +\@nameuse{scr@tso@#1@numsep}\relax
19642         \PackageWarning{tocbasic%
19643         }{%
19644             number width of #1 toc entries should be
19645             increased!\MessageBreak
19646             Currently used number width =
19647             \the\wd\scr@dte@tocline@numbox,\MessageBreak
19648             Wanted number separation
19649             \space\space\space =
19650             \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19651             Reserved number width \space\space\space\space\space\space =
19652             \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19653         }%
19654     \fi
19655 }%
19656 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
19657 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19658     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19659 }{}%
19660 }%
19661 \@nameuse{scr@tso@#1@entryformat}{%
19662     #2%
19663     \nobreak
19664     {%
19665         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
19666         \nobreak
19667         \@nameuse{scr@tso@#1@pagenumberbox}{%
19668             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
19669         }%
19670     }%
19671     \@par
19672 }%
19673 }%
19674 }%
19675 \tocbasic@SetPenaltyByTOCLevel{#1}%
19676 \fi
19677 }
19678
19679 \bidi@undef\scr@dte@def@1@tocline
19680 \bidi@undef\scr@dte@tocline@init
19681 \DeclareTOCEntryStyle{tocline}[{%
19682     \DefineTOCEntryLengthOption{beforeskip}%
19683     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19684     \DefineTOCEntryIfOption{breakafternumber}%

```



```

19685 {scr@tso@}{@breakafternumber}{line break after number flag}%
19686 \DefineTOCEntryIfOption{dynnumwidth}%
19687 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19688 \DefineTOCEntryCommandOption{entryformat}%
19689 {scr@tso@}{@entryformat}[1]{entry format}%
19690 \DefineTOCEntryCommandOption{entrynumberformat}%
19691 {scr@tso@}{@numberformat}[1]{entry number format}%
19692 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19693 {scr@tso@}{@linefill}{filling between text and page number}%
19694 \DefineTOCEntryLengthOption{numsep}%
19695 {scr@tso@}{@numsep}{entry number separation}%
19696 \DefineTOCEntryCommandOption{onstarthigherlevel}%
19697 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19698 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19699 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19700 \DefineTOCEntryCommandOption{onstartsamelevel}%
19701 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19702 \DefineTOCEntryCommandOption{pagenumberbox}%
19703 {scr@tso@}{@pagenumberbox}[1]{page number box}%
19704 \DefineTOCEntryCommandOption{pagenumberformat}%
19705 {scr@tso@}{@pagenumberformat}[1]{page number format}%
19706 \DefineTOCEntryOption{raggedentrytext}[true]{%
19707 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19708 \ifx\FamilyKeyState\FamilyKeyStateProcessed
19709 \if@tempswa
19710 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19711 \raggedright
19712 \else
19713 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19714 \relax
19715 \fi
19716 \fi
19717 }%
19718 \DefineTOCEntryIfOption{raggedpagenumber}%
19719 {scr@tso@}{@raggedpage}{page number ragged flag}%
19720 \DefineTOCEntryLengthOption{indent}%
19721 {scr@tso@}{@indent}{entry indent}%
19722 \DefineTOCEntryLengthOption{numwidth}%
19723 {scr@tso@}{@numwidth}{entry number width}%
19724 \scr@ifundefinedorrelax{#1tocdepth}{%
19725 \ifstrstart{#1}{sub}{%
19726 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19727 \expandafter\edef\csname #1tocdepth\endcsname{%
19728 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19729 }%
19730 }%
19731 }{}%
19732 }{}%
19733 \@ifundefined{#1tocdepth}{%
19734 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%

```



```

19735 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19736 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19737 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19738 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19739 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19740 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19741 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19742 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19743 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19744 \csname #1numdepth\endcsname
19745 }%
19746 }%
19747 }%
19748 }%
19749 }%
19750 }%
19751 }%
19752 }%
19753 }%
19754 }{}%
19755 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19756 \@ifundefined{scr@#1@tocindent}{%
19757 \ifstrstart{#1}{sub}{%
19758 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19759 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19760 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19761 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19762 \relax
19763 }%
19764 }%
19765 }{%
19766 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19767 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19768 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19769 \relax
19770 }%
19771 }{%
19772 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19773 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19774 +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19775 \relax
19776 }%
19777 }%
19778 }%
19779 }{}%
19780 }{%
19781 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19782 }%
19783 }{}%
19784 \@ifundefined{scr@tso@#1@indent}{%

```



```

19785 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19786 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19787 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19788 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19789 \scr@ifundefinedorrelax{1@chapter}{%
19790 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19791 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19792 \ifstr{#1}{subsubsection}{%
19793 \@namedef{scr@tso@#1@indent}{3.8em}%
19794 }{%
19795 \ifstr{#1}{paragraph}{%
19796 \@namedef{scr@tso@#1@indent}{7em}%
19797 }{%
19798 \ifstr{#1}{subparagraph}{%
19799 \@namedef{scr@tso@#1@indent}{10em}%
19800 }{%
19801 }%
19802 }%
19803 }%
19804 }%
19805 }%
19806 }{%
19807 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19808 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19809 \ifstr{#1}{subsubsection}{%
19810 \@namedef{scr@tso@#1@indent}{7.0em}%
19811 }{%
19812 \ifstr{#1}{paragraph}{%
19813 \@namedef{scr@tso@#1@indent}{10em}%
19814 }{%
19815 \ifstr{#1}{subparagraph}{%
19816 \@namedef{scr@tso@#1@indent}{12em}%
19817 }{%
19818 }%
19819 }%
19820 }%
19821 }%
19822 }%
19823 }%
19824 }%
19825 }%
19826 }%
19827 }%
19828 }{}%
19829 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19830 \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19831 \ifstrstart{#1}{sub}{%
19832 \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@numwidth}}{%
19833 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19834 \glueexpr \noexpand\nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%

```




```

19835             +.9em%
19836             \relax
19837         }%
19838     }%
19839 }{}%
19840 }{%
19841     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19842 }%
19843 }{}%
19844 \ifundefined{scr@tso@#1@numwidth}{%
19845     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19846         \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19847             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19848                 \scr@ifundefinedorrelax{chapter}{%
19849                     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19850                         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19851                             \ifstr{#1}{subsubsection}{%
19852                                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19853                             }{%
19854                                 \ifstr{#1}{paragraph}{%
19855                                     \@namedef{scr@tso@#1@numwidth}{4.1em}%
19856                                 }{%
19857                                     \ifstr{#1}{subparagraph}{%
19858                                         \@namedef{scr@tso@#1@numwidth}{5m}%
19859                                     }{%
19860                                         }%
19861                                     }%
19862                                 }%
19863                             }%
19864                         }%
19865                     }{}%
19866                     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19867                         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19868                             \ifstr{#1}{subsubsection}{%
19869                                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
19870                             }{%
19871                                 \ifstr{#1}{paragraph}{%
19872                                     \@namedef{scr@tso@#1@numwidth}{5em}%
19873                                 }{%
19874                                     \ifstr{#1}{subparagraph}{%
19875                                         \@namedef{scr@tso@#1@numwidth}{6em}%
19876                                     }{%
19877                                         }%
19878                                     }%
19879                                 }%
19880                             }%
19881                         }%
19882                     }{}%
19883                 }{}%
19884             }%

```



```

19885     }%
19886   }{}%
19887   \expandafter\renewcommand%
19888   \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19889   \expandafter\renewcommand%
19890   \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19891   \expandafter\renewcommand%
19892   \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19893   \ifundefined{scr@tso@#1@beforeskip}{%
19894     \ifstr{#1}{part}{%
19895       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19896     }{%
19897       \ifstr{#1}{chapter}{%
19898         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19899       }{%
19900         \ifstr{#1}{section}{%
19901           \scr@ifundefinedorrelax{1@chapter}{%
19902             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19903           }{}%
19904         }{}%
19905       }%
19906     }%
19907     \expandafter\renewcommand\expandafter*%
19908     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19909   }{}%
19910   \ifundefined{scr@dte@#1@maxnumwidth}{%
19911     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19912     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19913   }{}%
19914   \renewcommand*{\scr@dte@donumwidth}{}%
19915   \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19916   \expandafter\renewcommand\expandafter*%
19917   \csname scr@tso@#1@numsep\endcsname{.4em}%
19918   \expandafter\renewcommand%
19919   \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19920   \ifstr{#1}{part}{%
19921     \expandafter\renewcommand%
19922     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19923   }{%
19924     \ifstr{#1}{chapter}{%
19925       \expandafter\renewcommand%
19926       \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19927     }{%
19928       \scr@ifundefinedorrelax{1@chapter}{%
19929         \ifstr{#1}{section}{%
19930           \expandafter\renewcommand%
19931           \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19932         }{}%
19933       }{}%
19934     }%

```



```

19935     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19936   }%
19937 }%
19938 \expandafter\renewcommand
19939 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19940 \@ifundefined{scr@tso@#1@linefill}{%
19941   \ifstr{#1}{part}{%
19942     \@namedef{scr@tso@#1@linefill}{\hfill}%
19943   }{%
19944     \ifstr{#1}{chapter}{%
19945       \@namedef{scr@tso@#1@linefill}{\hfill}%
19946     }{%
19947       \scr@ifundefinedorrelax{1@chapter}{%
19948         \ifstr{#1}{section}{%
19949           \@namedef{scr@tso@#1@linefill}{\hfill}%
19950         }{}
19951       }{}
19952       \expandafter\renewcommand%
19953       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19954     }%
19955   }%
19956 }{}%
19957 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19958 \ifstr{#1}{part}{%
19959   \expandafter\renewcommand%
19960   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19961 }{%
19962   \expandafter\renewcommand%
19963   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19964     {\normalfont\normalcolor ##1}}%
19965 }%
19966 \expandafter\renewcommand%
19967 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19968   \hb@xt@\@pnumwidth{\hfil ##1}}%
19969 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19970 }}{%
19971   \scr@dte@tocline{#1}{##1}{##2}%
19972 }
19973

```

123 File tocstyle-xetex-bidi.def

```

19974 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19975 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19976   \let\numberline\tocstyle@numberline
19977   \ifnum #1>\c@tocdepth \else
19978     \if@tocstyle@penalties
19979       \begingroup
19980         \@tempcnta 20010
19981         \advance \@tempcnta by -#1

```



```

19982         \ifnum \@tempcnta>\lastpenalty
19983             \aftergroup\penalty\aftergroup\@lowpenalty
19984         \fi
19985     \endgroup
19986 \fi
19987 \edef\tocstyledepth{#1}%
19988 \tocstyle@activate@features
19989 \ifx\tocstyle@feature@entryvskip\relax
19990     \vskip \z@ \@plus.2\p@
19991 \else
19992     \addvspace{\tocstyle@feature@entryvskip}%
19993 \fi
19994 {%
19995     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
19996     \tocstyle@feature@raggedhook
19997     \@tempdima #3\relax
19998     \@tempdimb #2\relax
19999     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20000     \ifnum #1>\z@\relax
20001         \@tempcnta #1\relax \advance\@tempcnta \m@ne
20002         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20003             \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20004                 \@tempdimb
20005                 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20006                 \advance\@tempdimb
20007                 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20008             \fi
20009         \fi
20010     \fi
20011     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20012     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20013         \ifdim \@tempdimb>
20014             \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20015             \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20016                 @#1\endcsname{\the\@tempdimb}%
20017         \fi
20018     \else
20019         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20020             @#1\endcsname{\the\@tempdimb}%
20021     \fi
20022     \iftocstyle@autolength
20023         \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20024             \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20025             \relax
20026         \fi
20027         \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20028             \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20029             \relax
20030         \fi
20031         \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%

```



```

20032      \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20033    \else
20034      \@tempdimb #2\relax
20035      \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20036    \fi
20037    \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20038      \ifdim \@tempdima>
20039        \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20040        \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20041          @\endcsname{\the\@tempdima}%
20042      \fi
20043    \else
20044      \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20045        @\endcsname{\the\@tempdima}%
20046    \fi
20047    \ifcase\tocstyle@indentstyle\relax\else
20048      \@tempdimb \z@
20049      \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20050        \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20051        \relax
20052      \fi
20053      \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20054      \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20055    \fi
20056    \advance\parindent \@tempdimb\@afterindenttrue
20057    \advance\if@RTL\righskip\else\leftskip\fi \parindent
20058    \advance\if@RTL\leftskip\else\righskip\fi \tocrmarg
20059    \parfillskip -\if@RTL\leftskip\else\righskip\fi
20060    \ifx\tocstyle@feature@parfillskip\relax\else
20061      \advance\parfillskip \tocstyle@feature@parfillskip\relax
20062    \fi
20063    \interlinepenalty\@M
20064    \leavevmode
20065    \advance\if@RTL\righskip\else\leftskip\fi \@tempdima
20066    \null\nobreak
20067    \iftocstyle@indentnotnumbered\else
20068      \hskip -\if@RTL\righskip\else\leftskip\fi
20069    \fi
20070    \tocstyle@feature@entryhook
20071    {#4}\nobreak
20072    \ifx\tocstyle@feature@leaders\relax
20073      \leaders\hbox{$\m@th
20074        \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
20075        \mkern \@dotsep mu$}\hfill
20076    \else
20077      \tocstyle@feature@leaders
20078    \fi
20079    \nobreak
20080    \ifx\tocstyle@feature@pagenumberbox\relax
20081      \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%

```



```

20082     \else
20083         \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20084     \fi
20085     \par
20086 }%
20087 \if@tocstyle@penalties
20088     \bgroup
20089     \@tempcnta 20009
20090     \advance\@tempcnta by -#1
20091     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
20092     \reserved@a
20093 \fi
20094 \fi}
20095 \renewcommand*{\tocstyle@numberline}[1]{%
20096     \begingroup
20097     \ifx\tocstyle@feature@spaceafternumber\relax
20098         \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
20099     \else
20100         \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
20101         \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20102     \fi
20103     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20104         \ifdim \@tempdima >
20105             \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20106             \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20107                 @\tocstyledepth\endcsname{\the\@tempdima}%
20108         \fi
20109     \else
20110         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20111             @\tocstyledepth\endcsname{\the\@tempdima}%
20112     \fi
20113 \endgroup
20114 \iftocstyle@indentnotnumbered
20115     \hskip -\if@RTL\rightskip\else\leftskip\fi
20116 \fi
20117 \ifcase \tocstyle@indentstyle
20118     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20119 \or
20120     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20121 \else
20122     \ifx\tocstyle@feature@spaceafternumber\relax
20123         \hbox{\tocstyle@@numberline{#1}\enskip}%
20124     \else
20125         \hbox{\tocstyle@@numberline{#1}\hskip
20126             \tocstyle@feature@spaceafternumber\relax}%
20127     \fi
20128 \fi
20129 }
20130 \AtBeginDocument{%
20131     \ifcsname l@part\endcsname

```



```

20132 \ifcsname l@chapter\endcsname
20133 \setbox\@tempboxa\vbox{\hsize\maxdimen
20134 \l@part{\tocstyle@l@define{part}{-1}}{}}%
20135 \else
20136 \setbox\@tempboxa\vbox{\hsize\maxdimen
20137 \l@part{\tocstyle@l@define{part}{0}}{}}%
20138 \fi
20139 \fi
20140 \ifcsname l@chapter\endcsname
20141 \setbox\@tempboxa\vbox{\hsize\maxdimen
20142 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
20143 \fi
20144 \ifcsname l@section\endcsname
20145 \setbox\@tempboxa\vbox{\hsize\maxdimen
20146 \l@section{\tocstyle@l@define{section}{1}}{}}%
20147 \fi
20148 \ifcsname l@subsection\endcsname
20149 \setbox\@tempboxa\vbox{\hsize\maxdimen
20150 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
20151 \fi
20152 \ifcsname l@subsubsection\endcsname
20153 \setbox\@tempboxa\vbox{\hsize\maxdimen
20154 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
20155 \fi
20156 \ifcsname l@paragraph\endcsname
20157 \setbox\@tempboxa\vbox{\hsize\maxdimen
20158 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
20159 \fi
20160 \ifcsname l@subparagraph\endcsname
20161 \setbox\@tempboxa\vbox{\hsize\maxdimen
20162 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
20163 \fi
20164 \ifcsname l@table\endcsname
20165 \setbox\@tempboxa\vbox{\hsize\maxdimen
20166 \l@table{\tocstyle@l@define{table}{1}}{}}%
20167 \fi
20168 \ifcsname l@figure\endcsname
20169 \setbox\@tempboxa\vbox{\hsize\maxdimen
20170 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
20171 \fi
20172 \def\@tempa#1#2#3#4#5{%
20173 \ifnum #1>\c@tocdepth \else
20174 \vskip \z@ \@plus.2\p@
20175 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
20176 \parindent #2\relax\@afterindenttrue
20177 \interlinepenalty\M
20178 \leavevmode
20179 \@tempdima #3\relax
20180 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
20181 {#4}\nobreak

```



```

20182 \leaders\hbox{$\m@th
20183 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20184 mu$}\hfill
20185 \nobreak
20186 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
20187 \par}%
20188 \fi}%
20189 \ifx\@dottedtocline\@tempa\else
20190 \tocstyle@macrochangewarning\@dottedtocline
20191 \fi
20192 \let\tocstyle@saved@dottedtocline\@dottedtocline
20193 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
20194 \ifx\numberline\@tempa\else
20195 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
20196 \ifx\numberline\@tempa\else
20197 \tocstyle@macrochangewarning\numberline
20198 \fi
20199 \fi
20200 \let\tocstyle@saved@numberline\numberline
20201 }
20202 \renewcommand*{\tocstyle@l@define}[2]{%
20203 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
20204 \edef\@tempa{%
20205 \noexpand\global\noexpand\let
20206 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20207 \expandafter\noexpand\csname l@#1\endcsname
20208 \noexpand\gdef
20209 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20210 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20211 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
20212 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20213 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20214 }%
20215 }%
20216 \PackageInfo{tocstyle}{prepare \expandafter\string
20217 \csname l@#1\endcsname\space for redefinition}%
20218 \@tempa
20219 }

```

124 File todonotes-xetex-bidi.def

```

20220 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
20221 \newif\if@bidi@todonotes@textdirection@RTL
20222 \newif\if@bidi@todonotes@figposition@right
20223 \newcommand{\@bidi@todonotes@align}{}%
20224 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20225 \newcommand{\@bidi@todonotes@textdirection}{}%
20226 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right}
20227 \ifcase\@bidi@todonotes@tempb\relax
20228 \@bidi@todonotes@textdirection@RTLtrue

```




```

20229 \let\@bidi@todonotes@textdirection\RLE
20230 \or
20231 \@bidi@todonotes@textdirection@RTLfalse
20232 \let\@bidi@todonotes@textdirection\LRE
20233 \fi}
20234 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,1
20235 \ifcase\bidi@todonotes@tempb\relax
20236 \@bidi@todonotes@figposition@righttrue
20237 \or
20238 \@bidi@todonotes@figposition@rightfalse
20239 \fi}
20240 \if@todonotes@disabled%
20241 \else % \if@todonotes@disabled
20242 \renewcommand{\@todonotes@drawInlineNote}{%
20243 \if@todonotes@dviStyle%
20244 {\par\noindent\begin{tikzpicture}[remember picture]%
20245 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20246 \if@todonotes@authorgiven%
20247 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20248 \else%
20249 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20250 \fi
20251 {\par\noindent\begin{tikzpicture}[remember picture]%
20252 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20253 \else%
20254 {\par\noindent\begin{tikzpicture}[remember picture]%
20255 \if\bidi@todonotes@textdirection@RTL\setRTL\fi%
20256 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
20257 \if@todonotes@authorgiven%
20258 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20259 \else%
20260 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20261 \fi};%
20262 \end{tikzpicture}\par}%
20263 \fi}%
20264 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20265 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20266 \node [coordinate] (inText) {};%
20267 \end{tikzpicture}%
20268 \marginpar[{\% Draw note in left margin
20269 \@todonotes@drawMarginNote%
20270 \ifRTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20271 }]{\% Draw note in right margin
20272 \@todonotes@drawMarginNote%
20273 \ifRTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20274 }%
20275 }%
20276 \renewcommand{\@todonotes@drawMarginNote}{%
20277 \if@todonotes@dviStyle%
20278 \begin{tikzpicture}[remember picture]%

```



```

20279         \draw node[notestyle] {};%
20280     \end{tikzpicture}\\\%
20281     \begin{minipage}{\@todonotes@textwidth}%
20282     \if@todonotes@authorgiven%
20283         \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20284     \else%
20285         \@todonotes@sizecommand \@todonotes@text%
20286     \fi%
20287     \end{minipage}\\\%
20288     \begin{tikzpicture}[remember picture]%
20289         \draw node[notestyle] (inNote) {};%
20290     \end{tikzpicture}%
20291 \else%
20292     \let\originalHbadness\hbadness%
20293     \hbadness 100000%
20294     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20295         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20296         \node(X){\vphantom{X}};%
20297         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection@RTL]{\@todonotes@text};%
20298         \if@todonotes@authorgiven%
20299             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection@RTL]{\@todonotes@sizecommand\@todonotes@author};%
20300             \node(Y)[below=of X]{};%
20301             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection@RTL]{\@todonotes@text};%
20302         \else%
20303             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection@RTL]{\@todonotes@text};%
20304         \fi%
20305     \end{tikzpicture}%
20306     \hbadness \originalHbadness%
20307 \fi}%
20308 \renewcommand{\missingfigure}[2][]{%
20309 \setkeys{todonotes}{#1}%
20310 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20311 \par
20312 \noindent
20313 \begin{tikzpicture}
20314 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20315 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20316 \if@bidi@todonotes@figposition@right%
20317 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20318 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20319 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20320 \if@bidi@todonotes@figposition@right%
20321 \end{scope}
20322 \begin{scope}[xshift=-3.8cm]
20323 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20324 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20325 \end{scope}
20326 \end{tikzpicture}

```



```

20329 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20330 \draw (2, -0.3) node[right, text
20331     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
20332 \if@bidi@todonotes@figposition@right%
20333 \end{scope}
20334 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20335 \fi%
20336 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20337 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20338 \if@bidi@todonotes@figposition@right%
20339 \end{scope}
20340 \fi%
20341 \end{tikzpicture}}\hfill
20342 }% Ending \missingfigure command
20343 \fi % Ending \@todonotes@ifdisabled
20344 \presetkeys%
20345     {todonotes}%
20346     {align=left,%
20347     textdirection=lefttoright,%
20348     figposition=left}{}%

```

125 File wrapfig-xetex-bidi.def

```

20349 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20350 \let\WF@everypar\bidi@n@everypar
20351 \def\WF@putfigmaybe{%
20352 \ifinner
20353     \vskip-\parskip \global\WF@floatfalse
20354     \let\pagetotal\maxdimen % kludge flag for "not top of page"
20355 \else % outer page
20356     \@tempdima\pagedepth % save page depth
20357     {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20358     \penalty\interlinepenalty % update pg. parameters
20359     \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20360     \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20361         \global\WF@floatfalse
20362     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20363 \else
20364     \ifdim\WF@size>\@tempdimb
20365         \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20366         \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20367         \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20368         \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20369         \advance\dimen@.5\baselineskip
20370         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20371             \global\WF@floatfalse \pagebreak
20372         \fi
20373     \else % \WF@info{Fits in \the\@tempdimb;}%
20374         \global\WF@floatfalse
20375 \fi\fi

```



```

20376 \vskip\@tempdima\relax % (return erased page depth)
20377 \fi
20378 \noindent
20379 \ifWF@float
20380 \WF@fltnes
20381 \else % putting here;
20382 \WF@info{Put \WF@wfname here:}%
20383 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20384 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20385 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20386 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20387 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20388 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20389 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20390 \xdef\WF@adjlw{\the\@tempdima}%
20391 \ifnum `l=\WF@place % fig on left
20392 \if@RTL%
20393 \kern\@tempdimb \kern\columnsep
20394 \def\@tempa{\hss}% position to left of the gap
20395 \else%
20396 \hss % figure overlaps space to the left
20397 \def\@tempa{\kern\columnsep}% position to left of the gap
20398 \fi%
20399 \else % fig on right
20400 \if@RTL%
20401 \hss
20402 \@tempdima\z@
20403 \def\@tempa{\kern\columnsep}
20404 \else%
20405 \@tempdima\z@ % no left indentation
20406 \kern\@tempdimb \kern\columnsep
20407 \def\@tempa{\hss}% figure overlaps space to the right
20408 \fi%
20409 \fi
20410 \ifdim\@tempdimb<\hsize
20411 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20412 \xdef\WF@adjtlm{\the\@tempdima}%
20413 \else
20414 \xdef\WF@wrapil{\z@ \the\hsize}%
20415 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20416 \fi
20417 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20418 \global\advance\WF@size-\intextsep
20419 \else % \WF@info{Putting \WF@wfname in middle of page}%
20420 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20421 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20422 }% end \hbox to Opt
20423 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20424 \fi}

```



126 File xcolor-xetex-bidi.def

```

20425 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X
20426 \long\def\color@b@x#1#2#3%
20427 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20428 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20429 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20430 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20431 {\ifmmode\else\if@RTL\endL\fi\fi}
20432 \def\normalcolor{\let\current@color\default@color\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20433 \DeclareRobustCommand\color
20434 {\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
20435 \def\@undeclaredcolor[#1]#2%
20436 {\begingroup
20437 \let\@cls\@empty
20438 \XC@getmodclr12{#1}{#2}{}%
20439 {\ifblendcolors
20440 \ifx\colorblend\@empty\else
20441 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20442 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
20443 \fi
20444 \fi
20445 \ifconvertcolorsU
20446 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20447 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20448 \fi
20449 \ifmaskcolors
20450 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20451 \let\@mod\XC@mmod
20452 \XC@inflate\@mod\XC@mlr\@clr\@tmp
20453 \expandafter\XC@mul\@tmp,\@clr
20454 \fi
20455 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20456 \expandafter\endgroup\@tmp}}
20457 \def\@declaredcolor#1%
20458 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
20459 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
20460 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20461 \ifconvertcolorsU\XC@@tsttrue\fi
20462 \fi
20463 \ifXC@@tst
20464 \expandafter\XC@declaredcolor\else
20465 \expandafter\XC@declaredc@lor\fi}
20466 \def\XC@undeclaredcolor#1#2%
20467 {\@ifundefinedmodel{#1}%
20468 {\c@lor@error{model `#1'}}%
20469 {\@nameuse{color@#1}\current@color{#2}%
20470 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20471 \XC@display}\ifmmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20472 \def\XC@declaredc@lor

```



```

20473 {\XC@let@Nc\XC@current@color{\string\color@\XC@@tmp}%
20474 \edef\current@color{\XC@current@color}%
20475 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20476 \DeclareRobustCommand\bidicolor
20477 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20478 \def\@bidiundeclaredcolor[#1]#2%
20479 {\begingroup
20480 \let\@cls\@empty
20481 \XC@getmodclr12{#1}{#2}{}}%
20482 {\ifblendcolors
20483 \ifx\colorblend\@empty\else
20484 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20485 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
20486 \fi
20487 \fi
20488 \ifconvertcolorsU
20489 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20490 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20491 \fi
20492 \ifmaskcolors
20493 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20494 \let\@mod\XC@mmod
20495 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20496 \expandafter\XC@mul\@tmp,\@clr
20497 \fi
20498 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20499 \expandafter\endgroup\@tmp}}
20500 \def\XC@bidiundeclaredcolor#1#2%
20501 {\@ifundefinedmodel{#1}%
20502 {\c@lor@error{model `#1'}}%
20503 {\@nameuse{color@#1}\current@color{#2}}%
20504 \edef\XC@current@color{\noexpand\xcolor@{}}{\current@color}{#1}{#2}}%
20505 \XC@display}}
20506 \def\@bidideclaredcolor#1%
20507 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
20508 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
20509 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20510 \ifconvertcolorsU\XC@@tsttrue\fi
20511 \fi
20512 \if\XC@@tst
20513 \expandafter\XC@bidideclaredcolor\else
20514 \expandafter\XC@bidideclaredc@lor\fi}
20515 \def\XC@bidideclaredcolor
20516 {\XC@split\XC@@tmp
20517 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20518 \expandafter\endgroup\@tmp}
20519 \def\XC@bidideclaredc@lor
20520 {\XC@let@Nc\XC@current@color{\string\color@\XC@@tmp}%
20521 \edef\current@color{\XC@current@color}%
20522 \XC@display}

```



```

20523 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20524 \def\color@fbox#1#2#3#\protect\color@fb@x{#1}{#2}{#3}}
20525 \def\color@fb@x#1#2#3#4%
20526 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
20527 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20528 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

127 File latex-xetex-bidi.def

```

20529 \ProvidesFile{latex-xetex-bidi.def}[2018/10/11 v1.3.6 bidi adaptations for `latex.ltx' for Xe
20530 \newcommand{\TeXXeTOn}{\TeXXeTstate@ne}
20531 \newcommand{\TeXXeTOff}{\TeXXeTstate\z@}
20532 \TeXXeTOn
20533 \def\bidi@RTL@everypar{{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20534 \let\bidi@o@everypar=\everypar
20535 \newtoks\bidi@n@everypar
20536 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20537 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20538 \let\everypar=\bidi@n@everypar
20539 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20540 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20541 \protected\def\hboxR{\hbox\bgroup
20542 \everyhbox{%
20543 \aftergroup\egroup
20544 \everyhbox{}}%
20545 \beginR
20546 \@hboxRconstructtrue
20547 \bgroup
20548 \aftergroup\endR
20549 \aftergroup\egroup
20550 }\hbox}
20551 \protected\def\hboxL{\hbox\bgroup
20552 \everyhbox{%
20553 \aftergroup\egroup
20554 \everyhbox{}}%
20555 \beginL
20556 \@hboxRconstructfalse
20557 \bgroup
20558 \aftergroup\endL
20559 \aftergroup\egroup
20560 }\hbox}
20561 \protected\def\vboxR{\vbox\bgroup
20562 \everyvbox{%
20563 \aftergroup\egroup
20564 \everyvbox{}}%
20565 \@RTLtrue
20566 \@RTLtabtrue
20567 \bgroup
20568 \aftergroup\egroup
20569 }\vbox}

```



```

20570 \protected\def\ vboxL{\ vbox\bgroup
20571 \everyvbox{%
20572 \aftergroup\egroup
20573 \everyvbox{}}%
20574 \@RTLfalse
20575 \@RTLtabfalse
20576 \bgroup
20577 \aftergroup\egroup
20578 }\ vbox}
20579 \newcommand*{\ bidi@leftskip}{\ if@RTL\rightskip\else\leftskip\fi}
20580 \newcommand*{\ bidi@rightskip}{\ if@RTL\leftskip\else\rightskip\fi}
20581 \def\LTR{\ par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20582 \def\endLTR{\ par}
20583 \def\RTL{\ par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20584 \def\endRTL{\ par}
20585 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20586 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20587 \let\unsetRTL=\setLTR
20588 \let\unsetLTR=\setRTL
20589 \let\LR=\LRE
20590 \let\RL=\RLE
20591 \def\@ensure@RTL#1{\ if@RTL#1\else\RLE{#1}\fi}
20592 \def\@ensure@LTR#1{\ if@RTL\LRE{#1}\else#1\fi}
20593 \let\@ensure@RL=\@ensure@RTL
20594 \let\@ensure@LR=\@ensure@LTR
20595 \def\@ensure@dir#1{\ if@RTL\RLE{#1}\else{#1}\fi}
20596 \let\@ensure@maindir=\@ensure@dir
20597 \def\@RTL{RTL}
20598 \def\@LTR{LTR}
20599 \def\save@dir{\ if@RTL\gdef\ saved@@dir{RTL}\else\gdef\ saved@@dir{LTR}\fi}
20600 \def\reset@dir{\ ifx\ saved@@dir\@RTL\setRTL\else\ ifx\ saved@@dir\@LTR\setLTR\else\relax\fi}
20601 \let\@@TeX\TeX
20602 \def\TeX{\@ensure@LTR{\@@TeX}}
20603 \let\@@LaTeX\LaTeX
20604 \def\LaTeX{\@ensure@LTR{\@@LaTeX}}
20605 \let\@@LaTeXe\LaTeXe
20606 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
20607 \long\def\ bidi@reflect@box#1{%
20608 \leavevmode
20609 \setbox\z@\ hbox{#1}%
20610 \setbox\tw@\ hbox{\ special{x:gsave}\ special{x:scale -1 1}\rlap{\ copy\z@}\ special{x:grestore}}
20611 \hb@xt@\wd\z@{\ kern\wd\z@\ box\tw@\ hss}%
20612 }
20613 \bidi@newrobustcmd*{\ XeTeX}{\ LR{\ leavevmode$\ smash{\ hbox{X\ lower.5ex
20614 \ hbox{\ kern-.125em\ bidi@reflect@box{E}}\ kern-.1667em \TeX}}$}}
20615 \bidi@newrobustcmd*{\ XeLaTeX}{\ LR{\ leavevmode$\ smash{\ hbox{X\ lower.5ex
20616 \ hbox{\ kern-.125em\ bidi@reflect@box{E}}\ kern-.1667em \LaTeX}}$}}
20617 \let\setRL=\setRTL
20618 \let\setLR=\setLTR
20619 \let\unsetRL=\setLTR

```




```

20620 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20621 \@ifpackageloaded{array}{%
20622 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20623 \leavevmode
20624 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
20625 \let\dollarend\endgroup
20626 \@tabarray}
20627 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20628 }{%
20629 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20630 \leavevmode \hbox \bgroup
20631 $\left.\let\@acol\@tabacol
20632 \let\@classz\@tabclassz
20633 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20634
20635 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20636 \egroup\right\rbrace $\egroup}}
20637 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20638 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
20639 \renewenvironment{RTLcases}{%
20640 \bidi@matrix@check\RTLcases\env@RTLcases
20641 }{%
20642 \endbidi@tabular@RTLcases%
20643 }
20644 \def\env@RTLcases{%
20645 \let\@ifnextchar\bidi@new@ifnextchar
20646 \def\arraystretch{1.2}%
20647 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
20648 }
20649 \def\SepMark#1{\gdef\@SepMark{#1}}
20650 \SepMark{.}
20651 \def\@thmcountersep{\@SepMark}
20652 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20653 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20654 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20655 \newcommand*{\bidi@thebibliography@font@hook}{}
20656 \def\list#1#2{%
20657 \ifnum \@listdepth >5\relax
20658 \toodeep
20659 \else
20660 \global\advance\@listdepth\@ne
20661 \fi
20662 \rightmargin\z@
20663 \listparindent\z@
20664 \itemindent\z@
20665 \csname @list\romannumeral\the\@listdepth\endcsname
20666 \def\@itemlabel{#1}%
20667 \let\makelabel\@mklab
20668 \nmbrlistfalse
20669 #2\relax

```



```

20670 \@trivlist
20671 \parskip\parsep
20672 \parindent\listparindent
20673 \advance\linewidth -\rightmargin
20674 \advance\linewidth -\leftmargin
20675 \if@bidi@list@minipage@parbox
20676 \if@RTL
20677 \advance\@totalleftmargin \leftmargin
20678 \else
20679 \advance\@totalleftmargin \rightmargin
20680 \fi
20681 \else
20682 \if@hboxRconstruct
20683 \if@bidi@list@minipage@parbox@not@nob
20684 \if@RTL
20685 \advance\@totalleftmargin \rightmargin
20686 \else
20687 \advance\@totalleftmargin \leftmargin
20688 \fi
20689 \else
20690 \if@RTL
20691 \advance\@totalleftmargin \leftmargin
20692 \else
20693 \advance\@totalleftmargin \rightmargin
20694 \fi\fi
20695 \else
20696 \if@RTL
20697 \advance\@totalleftmargin \rightmargin
20698 \else
20699 \advance\@totalleftmargin \leftmargin
20700 \fi\fi\fi
20701 \parshape \@ne \@totalleftmargin \linewidth
20702 \ignorespaces}
20703 \long\def\@iiiparbox#1#2[#3]#4#5{%
20704 \leavevmode
20705 \@pboxswfalse
20706 \if@hboxRconstruct
20707 \@bidi@list@minipage@parbox@not@nobtrue
20708 \fi
20709 \if@RTL
20710 \ifx#1t%
20711 \@bidi@list@minipage@parboxtrue
20712 \else
20713 \ifx#1b%
20714 \@bidi@list@minipage@parboxtrue
20715 \fi
20716 \fi
20717 \fi
20718 \setlength\@tempdima{#4}%
20719 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%

```



```

20720 \ifx\relax#2\else
20721 \setlength\@tempdimb{#2}%
20722 \edef\@parboxto{to\the\@tempdimb}%
20723 \fi
20724 \if#1b\vbox
20725 \else\if #1t\vtop
20726 \else\ifmode\vcenter
20727 \else\@pboxswtrue $\vcenter
20728 \fi\fi\fi
20729 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20730 \csname bm@#3\endcsname}%
20731 \if@pboxsw \m@th$\fi
20732 \@end@tempboxa}
20733 \newenvironment{LTRitems}
20734 {\par\@RTLfalse\@RTLtabfalse
20735 \if@bidi@list@minipage@parbox
20736 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20737 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20738 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20739 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20740 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20741 \ignorespaces}{\vskip\z@}
20742 \newenvironment{RTLitems}
20743 {\par\@RTLtrue\@RTLtabtrue
20744 \if@bidi@list@minipage@parbox
20745 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20746 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20747 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20748 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20749 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20750 \ignorespaces}{\vskip\z@}
20751 \newenvironment{LTRbibitems}
20752 {\par\@RTLfalse\@RTLtabfalse
20753 \if@bidi@list@minipage@parbox
20754 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20755 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20756 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20757 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20758 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20759 \ignorespaces}{\vskip\z@}
20760 \newenvironment{RTLbibitems}
20761 {\par\@RTLtrue\@RTLtabtrue
20762 \if@bidi@list@minipage@parbox
20763 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20764 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20765 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20766 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20767 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20768 \ignorespaces}{\vskip\z@}
20769 \def\raggedright{%

```



```

20770 \let\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20771 \leftskip\z@skip
20772 \parindent\z@\parfillskip\z@skip}
20773 \let\@bidi@orig@raggedleft\raggedleft
20774 \let\@bidi@orig@raggedright\raggedright
20775 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRcons
20776 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRcons
20777 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20778 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20779 \def\centerline#1{%
20780 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20781 \else\@@line{\hss#1\hss}\fi}
20782 \def\leftline#1{%
20783 \if@RTL\@@line{\beginR#1\endR\hss}
20784 \else\@@line{#1\hss}\fi}
20785 \def\rightline#1{%
20786 \if@RTL\@@line{\hss\beginR#1\endR}
20787 \else\@@line{\hss#1}\fi}
20788 \let\@bidi@orig@leftline\leftline
20789 \let\@bidi@orig@rightline\rightline
20790 \def\leftline#1{\ifhmode\if@RTL\@bidi@orig@rightline{#1}\else\@bidi@orig@leftline{#1}\fi\else\i
20791 \def\rightline#1{\ifhmode\if@RTL\@bidi@orig@leftline{#1}\else\@bidi@orig@rightline{#1}\fi\else\
20792 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20793 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20794 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20795 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20796 \def\narrower{%
20797 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20798 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20799 \def\underline#1{%
20800 \relax
20801 \ifmmode\@@underline{#1}%
20802 \else
20803 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20804 \else
20805 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20806 \ifcompatibility
20807 \let\undertext=\underline
20808 \fi
20809 \def\@tabular{%
20810 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20811 $\let\@acol\@tabacol
20812 \let\@classz\@tabclassz
20813 \let\@classiv\@tabclassiv \let\\@tabularcr\@tabarray}
20814 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20815 \egroup $\if@RTLtab\endR\fi\egroup}
20816 \expandafter \let \csname endtabular*\endcsname = \endtabular
20817 \def\@array[#1]#2{%
20818 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20819 \bgroup

```



```

20820 \setbox\@arstrutbox\hbox{%
20821   \vrule \@height\arraystretch\ht\strutbox
20822   \@depth\arraystretch \dp\strutbox
20823   \@width\z@}%
20824 \@mkpream{#2}%
20825 \edef\@preamble{%
20826   \ialign \noexpand\@halignto
20827     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20828 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20829 \let\tabularnewline\%
20830 \let\par\@empty
20831 \let\@sharp##%
20832 \set@typeset@protect
20833 \lineskip\z@skip\baselineskip\z@skip
20834 \ifhmode \@preamerr\z@ \@@par\fi
20835 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20836   \@preamble}
20837 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20838   \let\@classiv\@arrayclassiv
20839   \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20840 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20841   \ifnum \@lastchclass=3 5 \else
20842   \z@ \if #1c\@chnum \z@ \else
20843     \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20844     \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20845     \@chclass \if #1l\@ne \else
20846     \if #10\@tw@ \else
20847     \if #1p3 \else \z@ \@preamerr 0\fi
20848   \fi \fi \fi \fi \fi \fi
20849 \fi}
20850 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20851 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20852 \def\bm@t{\unhbox\@tempboxa\hss}
20853 \def\bm@b{\hss\unhbox\@tempboxa}
20854 \def\@dottedtocline#1#2#3#4#5{%
20855   \ifnum #1>\c@tocdepth \else
20856     \vskip \z@ \@plus.2\p@
20857     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
20858     \parindent #2\relax\@afterindenttrue
20859     \interlinepenalty\@M
20860     \leavevmode
20861     \@tempdima #3\relax
20862     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righs
20863     {#4}\nobreak
20864     \leaders\hbox{$\m@th
20865       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20866       mu$}\hfill
20867     \nobreak
20868     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20869   \par}%

```



```

20870 \fi}
20871
20872 \newcount\ bidi@column@check@number
20873
20874 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20875
20876 \def\ bidi@set@column@status#1#2{%
20877   \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20878
20879 \if@twocolumn
20880 \newcommand\DetectColumn[3][1]{%
20881   \ifx\ bidi@firstcolumn@status@write\relax
20882     \PackageError{bidi}%
20883       {Option 'DetectColumn' not selected}%
20884       {\string\DetectColumn\space
20885        requires the use of the 'DetectColumn'
20886        option on the package}%
20887   \fi
20888   \global\advance\ bidi@column@check@number\@ne
20889   \edef\ bidi@column@type{\expandafter\ifx
20890     \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20891     0\else
20892     \csname bidi@column-\the\ bidi@column@check@number\endcsname
20893     \fi}%
20894   \ifcase \ bidi@column@type\relax
20895     \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20896   \or
20897     #2% % 1 First column
20898   \or
20899     #3% % 2 Second (Last column)
20900   \else
20901     \ERROR
20902   \fi
20903   \edef\next{\write\@auxout
20904     {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
20905      {\ bidi@column@type}}}%
20906   \next
20907 }
20908
20909 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
20910   \ifnum #2=\ bidi@current@column@status\else
20911     \@tempwattrue
20912   \fi}%
20913 }
20914 \fi
20915
20916 \def\RTL@outputdblcol{%
20917   \if@firstcolumn
20918     \global\@firstcolumnfalse
20919     \global\setbox\@leftcolumn\copy\@outputbox

```



```

20920 \splitmaxdepth\maxdimen
20921 \vbadness\maxdimen
20922 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20923 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20924 \toks@\expandafter{\topmark}%
20925 \xdef\@firstcoltopmark{\the\toks@}%
20926 \toks@\expandafter{\splitfirstmark}%
20927 \xdef\@firstcolfirstmark{\the\toks@}%
20928 \ifx\@firstcolfirstmark\@empty
20929 \global\let\@setmarks\relax
20930 \else
20931 \gdef\@setmarks{%
20932 \let\firstmark\@firstcolfirstmark
20933 \let\topmark\@firstcoltopmark}%
20934 \fi
20935 \else
20936 \global\@firstcolumntrue
20937 \setbox\@outputbox\vbox{%
20938 \hb@xt@\textwidth{%
20939 \hskip \columnwidth
20940 \hfil
20941 {\normalcolor\vrule \@width\columnseprule}%
20942 \hfil
20943 \hb@xt@\columnwidth{%
20944 \bidi@firstcolumn@status@write%
20945 \box\@leftcolumn \hss}%
20946 \hskip -\textwidth
20947 \hb@xt@\columnwidth{%
20948 \bidi@lastcolumn@status@write%
20949 \box\@outputbox \hss}%
20950 \hskip \columnsep
20951 \hskip \columnwidth }}%
20952 \@combinedblfloats
20953 \@setmarks
20954 \@outputpage
20955 \beginngroup
20956 \@dblfloatplacement
20957 \@startdblcolumn
20958 \@whiles\if@fcolmade \fi{\@outputpage
20959 \@startdblcolumn}%
20960 \endgroup
20961 \fi}%
20962
20963 \def\LTR@outputdblcol{%
20964 \if@firstcolumn
20965 \global\@firstcolumnfalse
20966 \global\setbox\@leftcolumn\copy\@outputbox
20967 \splitmaxdepth\maxdimen
20968 \vbadness\maxdimen
20969 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%

```



```

20970 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20971 \toks@\expandafter{\topmark}%
20972 \xdef\@firstcoltopmark{\the\toks@}%
20973 \toks@\expandafter{\splitfirstmark}%
20974 \xdef\@firstcolfirstmark{\the\toks@}%
20975 \ifx\@firstcolfirstmark\@empty
20976 \global\let\@setmarks\relax
20977 \else
20978 \gdef\@setmarks{%
20979 \let\firstmark\@firstcolfirstmark
20980 \let\topmark\@firstcoltopmark}%
20981 \fi
20982 \else
20983 \global\@firstcolumntrue
20984 \setbox\@outputbox\vbox{%
20985 \hb@xt@\textwidth{%
20986 \hb@xt@\columnwidth{%
20987 \bidi@firstcolumn@status@write%
20988 \box\@leftcolumn \hss}%
20989 \hfil
20990 {\normalcolor\vrule \@width\columnseprule}%
20991 \hfil
20992 \hb@xt@\columnwidth{%
20993 \bidi@lastcolumn@status@write%
20994 \box\@outputbox \hss}}}%
20995 \@combinedblfloats
20996 \@setmarks
20997 \@outputpage
20998 \begingroup
20999 \@dblfloatplacement
21000 \@startdblcolumn
21001 \@whiles\if@fcolmade \fi{\@outputpage
21002 \@startdblcolumn}%
21003 \endgroup
21004 \fi}%
21005
21006
21007 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21008 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21009 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21010
21011 \bidi@patchcmd\@makecol{%
21012 \ifvoid\footins
21013 \setbox\@outputbox \box\@cclv
21014 \else
21015 \setbox\@outputbox \vbox {%
21016 \boxmaxdepth \@maxdepth
21017 \unvbox \@cclv
21018 \vskip \skip\footins
21019 \color@begingroup

```




```

21020         \normalcolor
21021         \footnoterule
21022         \unvbox \footins
21023         \color@endgroup
21024     }%
21025 \fi
21026 }{%
21027 \ifvoid\footins
21028     \ifvoid\@bidi@copyins@
21029         \setbox\@outputbox \box\@cclv
21030     \else
21031         \setbox\@outputbox \vbox {%
21032             \boxmaxdepth \@maxdepth
21033             \unvbox \@cclv
21034             \vskip \skip\@bidi@copyins@
21035             \color@begingroup
21036                 \normalcolor
21037                 \unvbox \@bidi@copyins@
21038             \color@endgroup
21039         }%
21040     \fi
21041 \else
21042     \setbox\@outputbox \vbox {%
21043         \boxmaxdepth \@maxdepth
21044         \unvbox \@cclv
21045         \vskip \skip\footins
21046         \color@begingroup
21047             \normalcolor
21048             \footnoterule
21049             \unvbox \footins
21050         \color@endgroup
21051     \ifvoid\@bidi@copyins@
21052     \else
21053         \vskip \skip\@bidi@copyins@
21054         \color@begingroup
21055             \normalcolor
21056             \unvbox \@bidi@copyins@
21057         \color@endgroup
21058     \fi
21059 }%
21060 \fi
21061 }{}{}
21062
21063 \def\LTRmarginpar{%
21064     \ifhmode
21065         \@bsphack
21066         \@floatpenalty -\@Mii
21067     \else
21068         \@floatpenalty-\@Miii
21069     \fi

```



```

21070 \ifinner
21071   \@parmoderr
21072   \@floatpenalty\z@
21073 \else
21074   \@next\@currbox\@freelist{}\}%
21075   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21076   {\@floatpenalty\z@
21077   \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
21078 \fi
21079 \ifnextchar [\@LTRxmpar\@LTRympar}
21080 \long\def\@LTRxmpar[#1]#2{%
21081   \@LTRsavemarbox\@marbox{#1}%
21082   \@LTRsavemarbox\@currbox{#2}%
21083   \@xympar}
21084 \long\def\@LTRympar#1{%
21085   \@LTRsavemarbox\@marbox{#1}%
21086   \global\setbox\@currbox\copy\@marbox
21087   \@xympar}
21088 \long\def \@LTRsavemarbox #1#2{%
21089   \global\setbox #1%
21090   \color@vbox
21091   \vtop{%
21092     \hsize\marginparwidth
21093     \@parboxrestore
21094     \@LTRmarginparreset
21095     #2%
21096     \@minipagefalse
21097     \outer@nobreak
21098   }%
21099   \color@endbox
21100 }
21101 \def \@LTRmarginparreset {%
21102   \reset@font
21103   \normalsize
21104   \@minipagetrue
21105   \everypar{\@minipagefalse\everypar{}\beginL}%
21106 }
21107 \def\RTLmarginpar{%
21108   \ifhmode
21109     \@bsphack
21110     \@floatpenalty -\@Mii
21111   \else
21112     \@floatpenalty-\@Miii
21113   \fi
21114   \ifinner
21115     \@parmoderr
21116     \@floatpenalty\z@
21117   \else
21118     \@next\@currbox\@freelist{}\}%
21119     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%

```



```

21120      {\@floatpenalty\z@
21121      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21122      \fi
21123      \@ifnextchar [\@RTLxmpar\@RTLympar}
21124 \long\def\@RTLxmpar[#1]#2{%
21125   \@RTLSavemarbox\@marbox{#1}%
21126   \@RTLSavemarbox\@currbox{#2}%
21127   \@xympar}
21128 \long\def\@RTLympar#1{%
21129   \@RTLSavemarbox\@marbox{#1}%
21130   \global\setbox\@currbox\copy\@marbox
21131   \@xympar}
21132 \long\def \@RTLSavemarbox #1#2{%
21133   \global\setbox #1%
21134     \color@vbox
21135     \vtop{%
21136       \hsize\marginparwidth
21137       \@parboxrestore
21138       \@RTLmarginparreset
21139       #2%
21140       \@minipagefalse
21141       \outer@nobreak
21142     }%
21143   \color@endbox
21144 }
21145 \def \@RTLmarginparreset {%
21146   \reset@font
21147   \normalsize
21148   \@minipagetrue
21149   \everypar{\@minipagefalse\everypar{}\beginR}%
21150 }
21151 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
21152   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
21153   \if@twocolumn
21154     \if@firstcolumn \@tempcnta\m@ne \fi
21155   \else
21156     \if@mparswitch
21157       \ifodd\c@page \else\@tempcnta\m@ne \fi
21158     \fi
21159     \if@reversemargin \@tempcnta -\@tempcnta \fi
21160   \fi
21161   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
21162   \@tempdima\@mparbottom
21163   \advance\@tempdima -\@pageht
21164   \advance\@tempdima\ht\@marbox
21165   \ifdim\@tempdima >\z@
21166     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
21167   \else
21168     \@tempdima\z@
21169   \fi

```



```

21170 \global\@mparbottom\@pageht
21171 \global\advance\@mparbottom\@tempdima
21172 \global\advance\@mparbottom\dp\@marbox
21173 \global\advance\@mparbottom\marginparpush
21174 \advance\@tempdima -\ht\@marbox
21175 \global\setbox \@marbox
21176         \vbox {\vskip \@tempdima
21177                 \box \@marbox}%
21178 \global \ht\@marbox \z@
21179 \global \dp\@marbox \z@
21180 \kern -\@pagedp
21181 \nointerlineskip
21182 \hb@xt@\columnwidth
21183     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
21184       \hskip\columnwidth \hskip\marginparsep
21185       \else
21186         \hskip -\marginparsep \hskip -\marginparwidth
21187         \fi
21188         \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else\endL\fi}
21189 \nointerlineskip
21190 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21191 \long\def\@ympar#1{%
21192   \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
21193     \global\setbox\@currbox\copy\@marbox
21194     \@xympar}
21195   \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21196   \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
21197   \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21198   \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21199     \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21200   \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21201     \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21202     \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21203     \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
21204   \fi}
21205
21206 \newcommand*{\bidi@font@outputpage}{}
21207
21208 \def\@outputpage{%
21209   \begingroup           % the \endgroup is put in by \aftergroup
21210   \let \protect \noexpand
21211   \@resetactivechars
21212   \global\let\@if@newlist\if@newlist
21213   \global\@newlistfalse
21214   \@parboxrestore
21215   \global\let\bidi@BeforeOutputPageShipOut\@firstofone
21216   \bidi@beforeoutputpageshipouthook
21217   \shipout \vbox{%
21218     \set@typeset@protect
21219     \aftergroup \endgroup

```



```

21220 \aftergroup \set@typeset@protect
21221 % correct? or just restore by ending
21222 % the group?
21223 \if@specialpage
21224 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
21225 \fi
21226 \if@twoside
21227 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21228 \if@RTLmain
21229 \let\@themargin\evensidemargin
21230 \else
21231 \let\@themargin\oddsidemargin
21232 \fi
21233 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21234 \if@RTLmain
21235 \let\@themargin\oddsidemargin
21236 \else
21237 \let\@themargin\evensidemargin
21238 \fi
21239 \fi
21240 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21241 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21242 \else %% not @twoside
21243 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21244 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21245 \fi
21246 \reset@font
21247 \normalsize
21248 \bidi@font@@outputpage
21249 \normalsfcodes
21250 \let\label\@gobble
21251 \let\index\@gobble
21252 \let\glossary\@gobble
21253 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21254 \@begindvi
21255 \vskip \topmargin
21256 \moveright\@themargin \vbox {%
21257 \global\let\bidi@BeforeHeader\@firstofone
21258 \bidi@beforeheaderhook
21259 \setbox\@tempboxa \vbox to\headheight{%
21260 \vfil
21261 \color@hbox
21262 \normalcolor
21263 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
21264 \color@endbox
21265 }% %% 22 Feb 87
21266 \dp\@tempboxa \z@
21267 \box\@tempboxa
21268 \vskip \headsep
21269 \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone

```



```

21270 \bidi@beforeoutputboxoutputpagehook
21271 \box\@outputbox
21272 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
21273 \bidi@afteroutputboxoutputpagehook
21274 \global\let\bidi@BeforeFooter\@firstofone
21275 \bidi@beforefooterhook
21276 \baselineskip \footskip
21277 \color@hbox
21278 \normalcolor
21279 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
21280 \color@endbox
21281 \global\let\bidi@AfterFooter\@firstofone
21282 \bidi@afterfooterhook
21283 }%
21284 }%
21285 \global\let\bidi@AfterOutputPageShipOut\@firstofone
21286 \bidi@afteroutputpageshipouthook
21287 \global\let\if@newlist\@if@newlist
21288 \global \colht \textheight
21289 \stepcounter{page}%
21290 \let\firstmark\botmark
21291 \global\let\bidi@AtEndOutputPage\@firstofone
21292 \bidi@atendoutputpagehook
21293 }
21294 \long\def\@makecaption#1#2{%
21295 \vskip\abovecaptionskip
21296 \sbox\@tempboxa{#1: #2}%
21297 \ifdim \wd\@tempboxa >\hsize
21298 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21299 \else
21300 \global \@minipagefalse
21301 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21302 \fi
21303 \vskip\belowcaptionskip}
21304 \let\bidi@saved@eqno=\eqno
21305 \let\bidi@saved@leqno=\leqno
21306 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
21307 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
21308 \@ifpackageloaded{amsmath}{-}{-}
21309 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
21310 }
21311 \input{footnote-xetex-bidi.def}
21312 \if@twocolumn
21313 \let\autofooterule\relax
21314 \let\leftfootnoterule\relax
21315 \let\rightfootnoterule\relax
21316 \textwidthfootnoterule
21317 \fi
21318 \if@bidi@csundef{\idxitem}{-}{-}
21319 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%

```



```

21320 }
21321 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21322 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
21323 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21324 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21325 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21326 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21327 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21328 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
21329 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21330 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21331 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21332 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21333 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21334 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
21335 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21336 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21337 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21338 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21339 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21340 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21341 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21342 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21343 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21344 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
21345 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21346 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21347 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21348 \@ifpackageloaded{amsmath}{\%
21349 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21350 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21351 }
21352 \@ifpackageloaded{mathtools}{\%
21353 \RequirePackage{graphicx}%
21354 \input{mathtools-xetex-bidi.def}%
21355 }{}
21356 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21357 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21358 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21359 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21360 \@ifpackagewith{algorithm2e}{algonl}{\%
21361 \renewcommand{\theAlgoLine}{\expandafter\cename the\algocf@float\endcsname\@SepMark\arabic{Al
21362 }}{}
21363 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21364 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
21365 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
21366 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21367 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21368 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21369 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}

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21370 \ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21371 \ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21372 \ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21373 \ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21374 \ifpackageloaded{crop}{\ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
21375 \ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21376 \ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21377 \ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21378 \ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21379 \ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21380 \ifpackageloaded{float}{\ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
21381 \ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21382 \ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21383 \ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21384 \ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21385 \ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21386 \ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21387 \ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21388 \ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21389 \ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21390 \ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21391 \ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21392 \ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21393 \ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21394 \ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21395 \ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21396 \ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21397 \ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21398 \ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21399 \ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21400 \ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21401 \ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21402 \ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21403 \ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21404 \ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21405 \ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21406 \ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21407 \ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21408 \ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21409 \ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21410 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21411 \iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21412 \ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21413 \ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21414 \ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21415 \ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21416 \ifpackagewith{sidecap}{innercaption}{%
21417 \ifRTL \renewcommand*{\SC@FLOAT}[2]{%
21418 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21419 \renewcommand*{\SC@justify@caption}%

```




```

21420 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21421 \renewcommand*{\SC@FLOAT}[2]{%
21422 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21423 \renewcommand*{\SC@justify@caption{%
21424 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21425 }{}
21426 \@ifpackagewith{sidecap}{rightcaption}{%
21427 \if@RTL\renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
21428 \def\SC@justify@caption{\RaggedLeft}\else%
21429 \renewcommand*{\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
21430 \def\SC@justify@caption{\RaggedRight}\fi%
21431 }{}
21432 \@ifpackagewith{sidecap}{leftcaption}{%
21433 \if@RTL \renewcommand*{\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
21434 \def\SC@justify@caption{\RaggedRight}\else%
21435 \renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
21436 \def\SC@justify@caption{\RaggedLeft}\fi%
21437 }{}
21438 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21439 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21440 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21441 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21442 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21443 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21444 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21445 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21446 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
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21448 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
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21450 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21451 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21452 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21453 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21454 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21455 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21456 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21457 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21458 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
21459 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21460 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

128 File xltextra-xetex-bidi.def

```

21461 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21462 \let\@XeTeX\XeTeX
21463 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21464 \let\@XeLaTeX\XeLaTeX
21465 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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